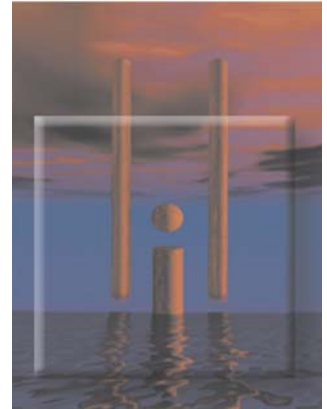




Catalogue no. 15-003-X

# The Canadian Productivity Accounts: Data

1961 to 2006



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Statistics Canada  
Micro-economic Analysis Division  
Income and Expenditure Accounts Division

# The Canadian Productivity Accounts: Data

1961 to 2006

Published by authority of the Minister responsible for Statistics Canada

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#### **Note of appreciation**

*Canada owes the success of its statistical system to a long standing partnership between Statistics Canada, the citizens of Canada, its businesses, governments and other institutions. Accurate and timely statistical information could not be produced without their continued cooperation and goodwill.*

# User information

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## Symbols

The following standard symbols are used in Statistics Canada publications:

- . not available for any reference period
- .. not available for a specific reference period
- ... not applicable
- 0 true zero or a value rounded to zero
- 0<sup>s</sup> value rounded to 0 (zero) where there is a meaningful distinction between true zero and the value that was rounded
- p preliminary
- r revised
- x suppressed to meet the confidentiality requirements of the *Statistics Act*
- E use with caution
- F too unreliable to be published

## Acknowledgements

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John Baldwin, Director, Micro-economic Analysis Division, and

Roger Jullion, Director, Income and Expenditure Accounts Division.

The publication was prepared by Wulong Gu from the Micro-economic Analysis Division, and Jean-Pierre Maynard from the Income and Expenditure Accounts Division.

## Foreword

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This electronic publication, *The Canadian Productivity Accounts: Data*, is designed to provide information to analysts, researchers, students and the general public who wish to monitor, analyse and interpret annual trends in productivity and related measures in Canada.

The Canadian Productivity Accounts (CPA) produce a variety of productivity measures and related variables for the business sector and its constituent sub-sectors and industries.

The CPA were initiated in the late 1940s. They were the result of recommendations from an interdepartmental committee on productivity analysis, who reviewed the conceptual and measurement problems involved and the available data sources in Canada.

Except for exchange rate series stored in Table 176-0064, the remaining series of this publication are available in CANSIM tables 383-0021 to 383-0022. The data in the two tables provide a series for multifactor productivity, output and inputs that include capital (K), labour (L), energy (E), materials (M) and purchased services (S) from the KLEMS database, using the new North American Industry Classification System back to 1961. The CPA have developed the KLEMS database, using similar methods to backcast each series so that they would be consistent with the methods used by the Canadian System of National Accounts.

Table 383-0021 provides a series for multifactor productivity, value-added, capital input and labour input in the aggregate business sector and major sub-sectors. Table 383-0022 provides a series on multifactor productivity, gross output, value-added, capital, labour and intermediate inputs at a detailed industry level.

U.S. data are obtained from the “Multifactor Productivity Trends” and “Multifactor Productivity Trends in Manufacturing” releases published in *NEWS* by the Bureau of Labor Statistics.

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## Highlights

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- From 1961 to 2006, labour productivity, one of the key indicators of an economy's health, rose at an annual rate of 2.1% in the Canadian business sector.
- Investment in capital, rather than gains in worker skills or technological progress, was the most important factor in the growth in labour productivity in the Canadian business sector during the period from 1961 to 2006.
- The 2000-to-2006 period is characterized by slower labour productivity growth and slower multifactor productivity growth in the Canadian business sector, compared with the period from 1980 to 2000. The slower productivity growth in the business sector over the period from 2000 to 2006 reflects the slower productivity growth in the goods-producing sector such as manufacturing and mining industries. The productivity growth in the services-producing sector over the period from 2000 to 2006 was higher than over the period from 1980 to 2000.
- During the past 45 years, labour productivity in the business sector increased at virtually the same pace in Canada and the United States, but for entirely different reasons. In Canada, the investment in capital was the most important factor in the growth of labour productivity. In the United States, however, the main factor was the improvement in production efficiency.
- Labour productivity growth in the Canadian business sector was faster than that in the U.S. business sector before 1980 and slower afterwards. After 1980, the slower growth in Canada's labour productivity relative to that of the United States was largely due to slower improvement in production efficiency in Canada.
- Labour productivity growth in the Canadian manufacturing sector was faster than that in the the U.S. manufacturing sector before the mid-1990s and slower afterwards.
- Unit labour cost followed similar trends in Canada and the United States. It increased at 3.9% per year in Canadian businesses from 1961 to 2006 and at a slightly lower rate in the United States (3.6%).

# Introduction

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*The Canadian Productivity Accounts: Data* is an electronic publication that contains a series of tables on productivity growth and related variables for the business sector and its 51 major sub-sectors based on the North American Industry Classification System. These tables allow users to have a broader perspective on Canadian economic performance. They complement the information available on CANSIM which offers more detail, particularly at the industry level.

Canadian Productivity Accounts (CPA) are responsible for producing, analyzing and disseminating Statistics Canada's official data on productivity and for producing and integrating data on employment, hours worked and capital services consistent with the Canadian System of National Accounts. To this end, the CPA comprise three programs. The quarterly program provides current estimates on labour productivity and labour costs at the aggregate level for 15 industry groups. The annual national program provides yearly estimates on labour productivity, multifactor productivity and several indicators of sources of growth and competitiveness as they apply to the major sectors of the economy and to the industry level. Lastly, the annual provincial program, as an integral part of the Provincial Economic Accounts, provides estimates on employment, hours worked, labour productivity and labour costs at the industry level for each province and territory.

*The Canadian Productivity Accounts: Data* covers four series of statistical tables:

Table 1: Output, labour compensation, capital cost and cost of intermediate inputs in current dollars

Table 2: Productivity and related measures

Table 3: Productivity and related measures for the business sector, Canada and United States

Table 4: Productivity and related measures for the manufacturing sector, Canada and United States

Productivity measures the efficiency with which inputs (labour and capital in particular) are utilized in production. Productivity measures can be applied to a single input, such as labour productivity (output per hour worked), as well as to multifactor productivity (output per unit of combined labour and capital inputs). Statistics Canada produces these two main measures of productivity, but other productivity ratios can also be measured (e.g., output per unit of capital services).

The output of the total business sector in the annual program of the CPA is measured as value-added at basic prices. The value-added at basic prices has been calculated using the 'bottom-up' approach—by aggregating all industries in the business sector. This differs from the output measure of the total business sector in the quarterly program of the CPA. The output of the total business sector in the quarterly program is based on gross domestic product (GDP) at market prices. The GDP at market prices has been calculated using the 'top-down' approach—by aggregating individual components of final demand and subtracting several non-business-sector components from final demand. These two approaches give slightly different growth rates in the short run, but the growth rates are the same over longer periods of time.

At the industry level, a variety of output measures—gross output, value-added and sectoral output—each of which responds to a different analytical need, are employed by the annual program of the CPA. Gross output and value-added are produced by the Industry Accounts Division, while sectoral outputs are produced by the CPA for comparability with productivity measures in the U.S. manufacturing industries.

The output concept used to compare the Canadian and U.S. manufacturing sectors in Table 4 differs from the one used to prepare productivity and related measures for the Canadian business sector and its constituent industries in Tables 1, 2 and 3. The output concept in Table 4 corresponds to sectoral output; by contrast, the output concept used in Tables 1, 2 and 3 is gross output or value-added. The other difference between Table 4 and the other tables

relates to the measure of labour input. The measure of labour input in Table 4 is direct aggregation of hours worked, while the measure of labour input in Tables 1, 2 and 3 takes into account the effects of changing labour composition.

The reader will find a glossary in Appendix I of this publication. It provides basic definitions of the terms used in the statistical tables and it constitutes a useful tool to understand productivity measures and related statistics.

## Analysis — 1961 to 2006

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### **Investment in capital was the most important factor in the growth in labour productivity in Canada's business sector during the past four decades**

From 1961 to 2006, labour productivity, one of the key indicators of an economy's health, rose at an annual rate of 2.1%. The growth in labour productivity can be decomposed into the following three main components: gains that originate from changes in capital intensity (the amount of capital per hour worked), those that come from changes in labour composition (involving more highly educated or more experienced workers), and growth in multifactor productivity, which in general is everything that cannot be accounted for by labour and capital.

During the 45-year period, increases in capital intensity, rather than gains in worker skills or technological change, were the most important factor in Canada's labour productivity growth. These increases accounted for about 60% of growth in labour productivity in Canada. (In 2006 alone, capital intensity accounted for all of the growth.)

Multifactor productivity accounted for about 20% of the growth in Canada's labour productivity. It measures the efficiency with which capital and labour are used in production. Growth in this area is often associated with technological progress, organizational change or economies of scale.

The remainder, about 20%, came from changes in the composition of labour. A positive labour composition effect reflects the increase in the average educational attainment and experience levels of workers.

### **Substantial changes in structure of capital and labour in the Canadian business sector**

Two key factors in the growth of labour productivity—the composition of capital and the types of labour—have both changed during the past four decades.

In terms of capital, there has been a long-term shift towards machinery and equipment and away from structure capital, land and inventories in the business sector. In the machinery and equipment category, information and communications technologies (ICT) have increased the most.

From 1961 to 2006, non-ICT capital services increased at an annual rate of 4.1%, while ICT capital services increased at an annual rate of 15.2%. These ICT services increased dramatically as the price of ICT capital declined relative to other forms of capital. Canadian businesses have made large investments in ICT to take advantage of this dramatic decline in prices.

At the same time, the composition of Canada's labour force has changed markedly. There have been dramatic changes in the educational qualifications of the labour force. The proportion of workers with only a high-school education has declined steadily, while the percentage with postsecondary degrees has risen.

The share of labour compensation of workers with university degrees or above increased from 7.1% to 23.5% from 1961 to 2003. By contrast, the share of labour compensation accounted for by workers with primary or secondary education declined from 89.2% to 31.8% during that period.

### **Contribution of capital intensity declined after 2000 in Canada, contributing to slower labour productivity growth in the period**

Since 2000, the growth in labour productivity has slowed considerably from its gains from 1980 to 2000, particularly in goods-producing sector such as the mining and manufacturing industries. The productivity growth in the services producing sector over the period from 2000 to 2006 was higher than for the period from 1980 to 2000.

The annual growth in labour productivity in the business sector declined from 1.5% from 1980 to 2000 to 1.1% from 2000 to 2006. This slowdown in labour productivity growth reflects a decline in the growth of capital intensity and a decline in growth of multifactor productivity after 2000.

The contribution of capital intensity to the annual growth in labour productivity declined from 1.0% to 0.8% from the 1980-to-2000 period to the 2000-to-2006 period. The growth in multifactor productivity declined from 0.3% to -0.1% during that time. Improvements in the labour force due to higher levels of education and greater experience were virtually unchanged from one period to the other.

### **Labour productivity in the business sector increased at virtually the same pace in Canada and the United States during the past 45 years, but for entirely different reasons**

In Canada, investment in capital was the most important factor in the growth of labour productivity. In the United States, however, the main factor was improvement in production efficiency.

From 1961 to 2006, labour productivity among businesses, one of the key indicators of an economy's health, increased at an annual average rate of 2.1% in Canada. In the United States, it rose at an annual average rate of 2.3%.

During the 45-year period, increases in capital intensity accounted for about 60% of the growth in labour productivity in Canada. Multifactor productivity accounted for about 20% of the growth in Canada's labour productivity. The remainder, about 20%, came from changes in the composition of labour.

By contrast, in the United States, improvement in production efficiency, as measured by multifactor productivity, was the most important factor in labour productivity growth, accounting for about 53% of the total. Changes in capital intensity, the second most important factor, accounted for about 36%. The remainder, about 10%, came from changes in the composition of labour.

### **Labour productivity growth in the business sector was faster in Canada than in the United States before 1980 and slower afterwards**

From 1961 to 1980, labour productivity in the Canadian business sector rose at an annual average rate of 2.8%, compared with 2.5% in the U.S. business sector.

Canada's performance during this time reflected the faster growth in hours worked and even faster growth in real gross domestic product.

After 1980, the United States outperformed Canada. From 1980 to 2006, labour productivity in Canada grew at an annual average rate of 1.5%, well below the rate of 2.2% in the United States, a difference of 0.7 percentage point.

The main factor in this gap was slower growth in Canada's multifactor productivity, although this was offset slightly by increases in Canada's capital intensity.

The gap in labour productivity growth favorable to the United States widened during the 2000s. From 2000 to 2006, annual labour productivity growth was 1.9 percentage point lower in Canada.

### **For the manufacturing sector, labour productivity growth was faster in Canada than in the United States before the mid-1990s and slower afterwards**

From 1961 to 2003, annual growth rates of labour productivity were almost identical in the Canadian and U.S. manufacturing sectors. Labour productivity grew at an annual rate of 3.2 % in both countries over that period.

After 1996, labour productivity growth was slower in the Canadian manufacturing sector than it was in that of the United States. Over the period from 1996 to 2003, labour productivity grew at 2.8% per year in the Canadian manufacturing sector while it grew at 4.9% per year in the U.S. manufacturing sector. The post-1996 slower labour

productivity growth in Canada compared with the United States was due to slower growth both in multifactor productivity and capital intensity. The slower multifactor productivity growth in Canada accounted for 60% of the labour productivity growth difference in the two countries, and the slower growth in capital intensity accounted for 30%. The remaining 10% was due to the differences in intermediate-input deepening in the two countries.

The slower multifactor productivity growth in the Canadian manufacturing sector relative to that in the United States after 1996 was due to slower multifactor productivity growth in the computer and electronic products industry. There has been more rapid technological progress in the computer and electronic products industry in the United States than in Canada.

The slower growth in the capital–labour ratio in Canadian manufacturing compared with that in the United States after the mid-1990s occurred as changes took place in the relative price of capital and labour inputs in the two countries. After the mid-1990s, the relative price of labour compared with that of investment increased at slower rate in Canada than in the United States. This slower increase in the relative price of labour compared with capital in Canada suggests that Canadian manufacturers had a greater incentive to substitute labour for capital, which led to slower growth in capital intensity during that period in Canada.

### **The unit labour cost fluctuated considerably since the beginning of the 1960s**

Unit labour cost is a measure of wage costs and fringe benefits of workers per unit of economic activity. This indicator captures inflationary pressures on wages by comparing the relative growth rates of hourly compensation and productivity. The unit labour cost will increase when hourly compensation rises faster than labour productivity. It will decline when hourly compensation rises at a slower rate than labour productivity.

During the whole period under study, the unit labour cost for Canadian businesses increased on average by 3.9% per year. However, this long-term average hides large fluctuations of this indicator of inflationary pressures on wages in the short run. During the 1973-to-1981 cycle, while the Canadian economy experienced inflation rates often higher than 10%, the unit labour cost registered two peaks, 15.0% in 1974 and 10.5% in 1981. On average, this indicator increased annually by 12.8% during the same cycle.

From 1961 to 1973, this indicator registered an annual average of 3.5%. This period was characterized by a 3.6% average growth in labour productivity, which was much superior to the 2.1% average of the last 45 years.

As the inflation rate experienced an important slowdown in the early 1980s, the unit labour cost also registered a much lower growth. From 1981 to 1990, the unit labour cost increased on average by 4.2%, while hourly compensation increased by 5.5% annually.

It is during the 1990s that the unit labour cost has registered an historical trough. From 1990 to 2000, it grew on average by 0.9%. During the same period, hourly compensation also registered its lowest average annual growth (2.9%) compared to a 6.5% average for the whole period under study.

Since 2000, the unit labour cost increased at a moderate pace of 2.1% in spite of weak productivity performance in Canadian businesses over that period.

### **A similar profile to that of the United States**

From 1961 to 2006, the unit labour cost increased on average by 3.6% per year in U.S. businesses compared to 3.9% for their Canadian competitors.

Like Canada, the United States registered two-digit wage inflation during the 1970s. With the exception of the 1990s, the unit labour cost was always lower in the United States than in Canada. From 1990 to 2000, the annual average increase of labour cost per unit of production was 0.9% in Canadian businesses, much less than the 1.9% average that was observed in U.S. businesses during the same period.

### Note to readers

This publication examines labour productivity, multifactor productivity, and related measures (capital input, labour input and intermediate inputs) for the business sector, broad economic sub-sectors and their constituent industries at the national level. Each set of measures involves a comparison of the growth in output and input, but each relies on a different methodology.

The first set of measures covers labour productivity—real output per hours worked—for the business sector and its constituent industries.

The second set of measures covers multifactor productivity. In these measures, a measure of real output is related to the corresponding measure of a bundle of inputs, such as capital, labour and intermediate inputs.

Multifactor productivity measures at Statistics Canada are derived from a growth accounting framework that allows analysts to isolate the effects on labour productivity growth of changes in input intensity and skills upgrading.

The residual portion of labour productivity growth that is not accounted for by increased input intensity and skills upgrading is called growth in multifactor productivity. Growth in this area is often associated with technological progress, organizational change or economies of scale.

For more information about the productivity program, see Survey number 1402, Productivity Measures and Related Variables - National (Annual).

## Related products

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### Selected publications from Statistics Canada

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13-016-X	Provincial and Territorial Economic Accounts Review
15-204-X	Productivity Growth in Canada
15-206-X	The Canadian Productivity Review

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### Selected CANSIM tables from Statistics Canada

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383-0021	Multifactor productivity, value-added, capital input and labour input in the aggregate business sector and major sub-sectors, by North American Industry Classification System (NAICS), annual
383-0022	Multifactor productivity, gross output, value-added, capital, labour and intermediate inputs at a detailed industry level, by North American Industry Classification System (NAICS), annual

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### Selected surveys from Statistics Canada

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1402	Productivity Measures and Related Variables - National (Annual)
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### Selected summary tables from Statistics Canada

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- *Productivity and related measures, business sector*

# Statistical tables

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**Table 1-1**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Business sector**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	...	30,805	19,201	11,604	...	...	...
1962	...	33,227	20,769	12,458	...	...	...
1963	...	35,671	21,933	13,738	...	...	...
1964	...	38,920	23,815	15,104	...	...	...
1965	...	42,905	26,512	16,394	...	...	...
1966	...	47,857	29,656	18,201	...	...	...
1967	...	50,513	32,076	18,437	...	...	...
1968	...	54,874	34,214	20,660	...	...	...
1969	...	59,736	37,619	22,117	...	...	...
1970	...	63,663	39,992	23,671	...	...	...
1971	...	69,228	43,708	25,521	...	...	...
1972	...	77,141	48,649	28,492	...	...	...
1973	...	91,986	56,243	35,743	...	...	...
1974	...	110,279	67,122	43,157	...	...	...
1975	...	125,236	77,120	48,116	...	...	...
1976	...	142,442	88,528	53,914	...	...	...
1977	...	156,374	97,616	58,759	...	...	...
1978	...	174,223	106,110	68,113	...	...	...
1979	...	202,374	120,132	82,242	...	...	...
1980	...	229,918	135,197	94,721	...	...	...
1981	...	257,891	154,889	103,002	...	...	...
1982	...	265,537	160,944	104,593	...	...	...
1983	...	289,502	168,539	120,963	...	...	...
1984	...	319,109	183,596	135,513	...	...	...
1985	...	345,715	200,748	144,966	...	...	...
1986	...	359,564	214,756	144,808	...	...	...
1987	...	392,699	233,209	159,490	...	...	...
1988	...	430,971	259,922	171,049	...	...	...
1989	...	457,352	278,200	179,151	...	...	...
1990	...	466,916	289,118	177,798	...	...	...
1991	...	459,394	291,543	167,851	...	...	...
1992	...	462,744	294,051	168,692	...	...	...
1993	...	481,033	299,752	181,280	...	...	...
1994	...	517,685	309,467	208,218	...	...	...
1995	...	549,692	323,741	225,951	...	...	...
1996	...	573,974	337,432	236,543	...	...	...
1997	...	612,118	358,484	253,634	...	...	...
1998	...	636,758	380,559	256,199	...	...	...
1999	...	691,740	404,854	286,886	...	...	...
2000	...	769,770	440,625	329,145	...	...	...
2001	...	793,541	459,510	334,031	...	...	...
2002	...	815,695	475,572	340,123	...	...	...
2003	...	861,792	493,430	368,362	...	...	...
2004	...	..	..	..	...	...	...
2005	...	..	..	..	...	...	...
2006	...	..	..	..	...	...	...

**Table 1-2**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Crop and animal production**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	2,822	1,685	1,050	634	241	782	115
1962	3,488	2,278	1,401	877	252	817	141
1963	3,812	2,517	1,384	1,133	263	886	146
1964	3,726	2,337	1,382	955	275	956	157
1965	4,022	2,553	1,402	1,152	288	1,013	168
1966	4,805	3,169	1,483	1,686	305	1,146	185
1967	4,319	2,532	1,510	1,023	316	1,265	205
1968	4,530	2,722	1,558	1,164	331	1,264	213
1969	4,731	2,911	1,585	1,325	346	1,253	221
1970	4,598	2,740	1,586	1,154	360	1,270	227
1971	4,976	2,816	1,618	1,197	376	1,432	352
1972	5,312	2,886	1,598	1,288	392	1,628	406
1973	7,730	4,679	1,811	2,868	424	2,144	482
1974	9,738	6,010	2,194	3,816	494	2,658	576
1975	10,782	6,639	2,513	4,126	557	2,957	629
1976	11,054	6,608	2,938	3,670	652	3,102	692
1977	10,934	6,132	3,049	3,084	747	3,294	760
1978	12,825	7,222	3,214	4,007	817	3,917	870
1979	15,036	8,406	3,460	4,946	912	4,729	988
1980	16,892	9,254	3,633	5,622	1,073	5,536	1,030
1981	23,010	10,669	3,831	6,838	1,334	9,664	1,343
1982	23,266	10,456	3,368	7,089	1,517	9,844	1,449
1983	22,857	9,430	3,092	6,338	1,624	10,228	1,575
1984	24,754	10,610	3,443	7,167	1,738	10,831	1,575
1985	25,843	11,594	4,362	7,232	1,832	10,765	1,652
1986	26,376	12,310	5,157	7,153	1,613	10,878	1,575
1987	24,647	10,438	3,691	6,747	1,543	10,902	1,764
1988	26,068	10,838	5,060	5,777	1,548	11,854	1,827
1989	27,610	11,781	3,915	7,866	1,626	12,308	1,895
1990	28,247	12,362	4,061	8,301	1,795	12,123	1,967
1991	27,178	12,104	3,963	8,141	1,855	11,270	1,950
1992	27,412	11,899	3,922	7,977	1,856	11,629	2,028
1993	28,989	12,097	4,284	7,813	1,932	12,826	2,133
1994	30,405	12,268	3,684	8,583	2,018	13,903	2,217
1995	33,672	13,332	5,280	8,052	2,073	15,642	2,626
1996	37,614	14,981	6,515	8,466	2,193	17,315	3,125
1997	36,275	12,756	3,943	8,814	2,221	17,970	3,328
1998	36,754	13,803	4,219	9,584	2,073	17,247	3,632
1999	37,489	14,443	4,502	9,941	2,141	16,959	3,946
2000	39,643	14,460	4,701	9,760	2,467	18,471	4,244
2001	41,894	15,169	5,114	10,055	2,573	19,836	4,315
2002	41,612	14,612	4,544	10,067	2,376	20,200	4,423
2003	43,326	15,309	4,988	10,321	2,496	20,815	4,706

**Table 1-3**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Forestry and logging**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	799	455	322	132	22	219	104
1962	823	478	353	126	23	221	101
1963	853	498	362	136	24	231	100
1964	961	549	394	155	27	270	115
1965	1,019	577	422	156	28	278	136
1966	1,103	628	466	162	29	297	148
1967	1,070	608	486	123	26	293	143
1968	1,170	640	480	160	28	348	154
1969	1,354	742	541	200	30	400	183
1970	1,332	713	544	168	31	399	190
1971	1,348	731	547	184	38	385	194
1972	1,570	856	599	257	44	443	228
1973	2,196	1,199	791	408	62	642	292
1974	2,504	1,284	972	312	90	791	340
1975	2,218	1,180	957	223	77	622	340
1976	2,711	1,412	1,026	386	83	820	396
1977	3,126	1,630	1,158	472	94	952	450
1978	3,640	1,935	1,360	575	109	1,075	521
1979	4,506	2,457	1,609	848	137	1,313	598
1980	4,760	2,499	1,668	831	165	1,393	703
1981	4,772	2,369	1,818	550	212	1,627	565
1982	4,392	2,056	1,679	376	218	1,580	537
1983	5,480	2,648	1,852	796	236	1,980	616
1984	6,104	2,765	2,041	724	257	2,360	722
1985	6,161	2,652	1,981	671	264	2,483	762
1986	6,296	2,696	1,968	728	262	2,534	804
1987	7,586	3,462	2,200	1,263	315	2,853	955
1988	8,231	3,869	2,241	1,628	316	3,019	1,027
1989	8,535	3,950	2,346	1,604	328	3,130	1,127
1990	7,897	3,430	2,193	1,238	311	3,028	1,128
1991	7,252	3,032	2,180	852	288	2,879	1,053
1992	7,987	3,424	2,210	1,214	307	3,177	1,078
1993	9,185	4,329	2,411	1,918	330	3,413	1,112
1994	10,781	4,692	2,459	2,233	316	4,199	1,574
1995	12,616	5,537	3,016	2,521	432	5,109	1,538
1996	12,664	5,474	2,857	2,616	353	5,227	1,609
1997	13,059	5,473	2,957	2,516	395	5,502	1,688
1998	12,574	5,709	2,780	2,929	341	4,950	1,574
1999	13,898	5,489	3,032	2,457	308	6,382	1,719
2000	13,038	5,579	3,134	2,445	396	5,297	1,766
2001	11,252	5,129	3,141	1,988	409	4,319	1,394
2002	12,374	5,795	3,280	2,515	441	4,618	1,519
2003	11,926	5,355	3,233	2,122	430	4,541	1,600

**Table 1-4**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Fishing, hunting and trapping**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	124	86	58	29	6	20	11
1962	142	98	63	35	8	25	11
1963	146	102	58	44	8	25	11
1964	163	115	60	54	9	27	12
1965	174	121	68	53	10	30	14
1966	193	132	74	58	10	33	18
1967	178	118	70	48	13	30	17
1968	201	138	75	63	14	30	19
1969	211	144	84	60	15	32	20
1970	223	153	84	70	16	32	22
1971	221	149	81	68	16	33	22
1972	258	180	91	89	16	36	25
1973	354	260	112	148	23	40	31
1974	327	217	106	110	24	54	32
1975	335	213	106	106	29	58	35
1976	448	295	150	146	35	68	50
1977	558	371	157	214	42	86	59
1978	771	555	192	363	50	104	63
1979	986	690	225	465	76	132	88
1980	855	565	208	357	74	138	78
1981	946	570	228	342	102	166	108
1982	965	596	227	369	124	144	101
1983	961	602	248	354	126	124	109
1984	978	603	269	334	123	138	115
1985	1,219	735	335	400	154	184	146
1986	1,438	915	348	566	106	238	179
1987	1,745	1,108	364	744	112	308	218
1988	1,721	1,094	402	692	104	316	207
1989	1,556	977	427	550	98	255	226
1990	1,568	944	462	482	106	278	240
1991	1,560	891	461	430	114	307	248
1992	1,537	917	433	484	98	287	235
1993	1,481	914	460	454	81	262	224
1994	1,834	1,031	505	526	162	407	234
1995	1,903	1,173	522	651	125	367	238
1996	1,800	960	505	455	135	432	272
1997	1,717	847	459	388	204	464	202
1998	1,700	830	475	355	163	502	204
1999	2,038	1,028	502	526	189	577	244
2000	2,250	1,050	529	521	278	633	289
2001	2,205	1,066	464	603	236	615	287
2002	2,261	1,118	468	649	222	632	290
2003	2,356	1,165	498	667	238	642	311

**Table 1-5**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Support activities for agriculture and forestry**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	48	36	34	2	2	8	2
1962	47	35	33	2	1	9	2
1963	51	38	36	2	1	10	2
1964	54	40	36	4	2	10	2
1965	62	45	41	4	2	12	3
1966	69	51	47	4	2	14	3
1967	73	53	50	3	2	15	3
1968	76	54	51	4	2	15	4
1969	82	59	55	4	2	17	4
1970	86	61	57	4	2	16	6
1971	93	67	61	6	2	19	6
1972	103	74	65	8	2	20	7
1973	123	88	76	12	3	24	8
1974	131	92	79	12	3	28	8
1975	154	110	95	15	5	26	12
1976	167	118	109	9	5	30	13
1977	185	129	120	10	7	33	16
1978	211	146	134	12	8	36	21
1979	245	168	152	16	10	43	24
1980	296	204	181	23	11	51	30
1981	380	258	232	26	15	64	43
1982	425	284	246	38	20	61	59
1983	477	322	277	45	23	63	68
1984	504	341	288	53	24	70	68
1985	560	371	312	58	28	81	80
1986	620	404	337	67	34	89	93
1987	771	491	370	121	43	118	119
1988	915	576	410	166	46	147	146
1989	962	586	443	143	49	168	158
1990	978	586	460	127	54	170	168
1991	1,044	622	495	127	52	190	180
1992	1,042	625	517	109	51	189	177
1993	1,086	653	557	96	54	189	190
1994	1,209	741	656	85	62	192	215
1995	1,223	741	656	85	63	202	217
1996	1,336	777	664	113	63	275	221
1997	1,371	748	609	139	63	342	218
1998	1,268	802	692	110	42	240	185
1999	1,751	990	794	196	92	402	266
2000	2,023	1,047	775	273	167	499	310
2001	2,009	1,088	808	280	156	455	310
2002	2,114	1,119	872	247	165	501	330
2003	2,207	1,187	920	267	180	492	348

Table 1-6

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Oil and gas extraction

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	612	515	29	486	13	22	62
1962	752	629	36	593	17	34	73
1963	822	684	39	644	19	38	82
1964	908	758	43	715	19	42	89
1965	981	816	49	767	20	52	93
1966	1,096	907	42	865	21	74	94
1967	1,235	1,037	47	990	23	72	103
1968	1,382	1,184	83	1,101	26	47	126
1969	1,483	1,212	105	1,107	31	85	156
1970	1,650	1,362	114	1,248	36	66	187
1971	1,904	1,573	135	1,439	40	83	207
1972	2,230	1,845	157	1,688	48	106	232
1973	3,066	2,627	171	2,456	60	91	288
1974	4,942	4,426	223	4,203	72	107	336
1975	6,224	5,551	261	5,290	77	157	438
1976	7,406	6,466	289	6,178	103	284	552
1977	9,216	8,126	367	7,759	114	307	669
1978	10,664	9,271	493	8,778	162	394	837
1979	13,683	12,022	598	11,425	185	531	944
1980	17,193	15,115	733	14,382	208	598	1,273
1981	18,139	15,480	902	14,578	256	935	1,468
1982	22,140	19,003	1,276	17,727	309	1,210	1,619
1983	25,999	22,606	1,532	21,073	357	1,375	1,661
1984	28,514	24,804	1,600	23,204	459	1,651	1,600
1985	30,554	26,214	1,890	24,324	499	1,902	1,939
1986	18,502	14,100	1,909	12,191	454	2,076	1,871
1987	19,741	15,386	1,799	13,587	444	2,137	1,774
1988	17,445	12,437	2,029	10,408	472	2,588	1,948
1989	18,356	12,953	2,163	10,789	484	2,868	2,051
1990	21,569	15,922	2,188	13,734	489	2,937	2,221
1991	18,657	12,892	2,557	10,336	506	2,948	2,312
1992	19,914	14,162	2,560	11,603	535	2,930	2,288
1993	22,008	15,802	2,252	13,550	608	3,114	2,484
1994	24,716	17,378	2,473	14,905	680	3,609	3,048
1995	24,195	16,710	2,490	14,220	729	3,808	2,948
1996	31,037	22,018	2,574	19,444	814	4,735	3,469
1997	31,667	21,203	2,746	18,457	921	5,168	4,374
1998	26,546	15,364	2,846	12,518	1,045	5,435	4,702
1999	36,644	22,918	2,879	20,038	1,136	7,307	5,283
2000	65,974	46,995	2,982	44,013	1,471	10,210	7,299
2001	65,070	45,586	4,151	41,435	1,436	10,013	8,035
2002	59,585	39,942	4,117	35,825	1,519	9,864	8,260
2003	78,384	56,754	4,557	52,197	1,892	10,071	9,668

**Table 1-7**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Mining (except oil and gas)**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,465	1,105	393	712	57	216	88
1962	1,539	1,121	406	715	61	249	108
1963	1,634	1,174	412	762	67	275	119
1964	1,854	1,352	432	920	71	303	128
1965	2,040	1,469	480	990	85	344	141
1966	2,108	1,483	530	953	88	384	152
1967	2,308	1,634	583	1,051	97	408	170
1968	2,522	1,742	608	1,133	111	472	198
1969	2,639	1,831	633	1,199	115	492	201
1970	3,119	2,135	753	1,382	132	636	217
1971	2,942	1,884	813	1,070	147	689	222
1972	3,078	2,021	839	1,182	155	664	239
1973	4,291	2,996	963	2,033	182	800	314
1974	5,305	3,596	1,145	2,451	251	1,074	384
1975	5,510	3,542	1,335	2,207	291	1,244	434
1976	6,174	3,862	1,516	2,346	355	1,449	508
1977	6,673	4,084	1,751	2,333	428	1,598	563
1978	7,111	4,423	1,683	2,740	453	1,644	592
1979	9,675	6,412	2,001	4,412	551	2,023	688
1980	11,668	7,826	2,321	5,505	646	2,327	868
1981	10,859	6,672	2,741	3,930	814	2,428	946
1982	8,943	5,062	2,739	2,323	856	2,087	938
1983	9,365	5,448	2,623	2,826	891	2,052	974
1984	11,448	7,051	2,939	4,113	1,008	2,252	1,137
1985	10,959	6,427	2,922	3,505	1,044	2,271	1,217
1986	11,167	6,526	2,991	3,535	988	2,418	1,234
1987	13,015	8,247	2,956	5,291	960	2,476	1,332
1988	16,227	10,964	3,251	7,713	1,003	2,818	1,442
1989	16,744	10,985	3,562	7,423	1,046	3,073	1,639
1990	15,228	9,562	3,571	5,991	1,092	3,030	1,544
1991	13,514	8,161	3,688	4,473	1,072	2,801	1,479
1992	12,803	7,703	3,579	4,124	1,002	2,697	1,400
1993	11,825	6,878	3,428	3,450	985	2,552	1,410
1994	13,127	7,724	3,452	4,272	1,007	2,819	1,578
1995	15,810	9,579	3,806	5,773	1,088	3,325	1,818
1996	15,597	8,907	3,933	4,974	1,151	3,463	2,076
1997	15,807	8,700	3,895	4,805	1,139	3,635	2,333
1998	15,198	8,330	3,802	4,528	1,080	3,565	2,223
1999	14,471	8,253	3,695	4,558	1,037	2,975	2,206
2000	16,140	9,387	3,772	5,615	1,236	3,242	2,274
2001	15,619	8,732	3,626	5,106	1,306	3,191	2,390
2002	15,600	8,558	3,624	4,935	1,277	3,399	2,365
2003	16,267	9,149	3,717	5,432	1,463	3,104	2,552

Table 1-8

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Support activities for mining and oil and gas extraction

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	184	92	44	47	8	60	25
1962	185	98	57	42	7	58	22
1963	198	104	60	45	8	59	27
1964	208	108	60	48	8	61	31
1965	241	120	66	55	8	77	35
1966	286	143	74	69	12	87	44
1967	294	152	83	69	13	83	47
1968	319	161	88	73	15	90	52
1969	352	169	93	76	16	108	58
1970	368	187	92	94	18	105	59
1971	400	195	102	93	20	114	71
1972	475	244	134	110	23	119	89
1973	618	340	164	176	28	145	106
1974	695	388	197	191	32	161	114
1975	711	424	225	198	33	135	119
1976	926	526	285	241	52	202	147
1977	1,237	685	366	319	85	279	188
1978	1,720	914	487	427	120	430	255
1979	2,278	1,273	670	603	150	547	308
1980	3,191	1,853	966	887	204	740	393
1981	3,740	2,051	1,029	1,022	242	924	523
1982	3,825	2,048	1,186	862	276	971	531
1983	3,836	2,033	1,217	816	296	1,000	506
1984	4,390	2,457	1,419	1,038	314	1,055	564
1985	4,889	2,768	1,646	1,122	365	1,122	635
1986	3,787	2,035	1,406	629	226	954	572
1987	3,440	1,758	1,317	440	208	885	589
1988	4,291	2,298	1,468	830	215	1,130	649
1989	3,607	1,827	1,273	554	188	971	622
1990	4,000	1,968	1,417	551	240	1,071	721
1991	4,111	2,032	1,486	546	254	1,102	723
1992	3,362	1,521	1,234	287	225	926	689
1993	4,204	1,920	1,515	405	293	1,215	775
1994	5,164	2,523	1,986	537	301	1,438	901
1995	5,357	2,637	2,016	621	306	1,507	907
1996	6,302	3,388	2,422	967	353	1,441	1,120
1997	7,500	4,032	2,887	1,145	404	1,589	1,475
1998	7,235	3,740	2,790	950	370	1,722	1,403
1999	6,395	3,297	2,491	806	340	1,525	1,232
2000	8,424	4,524	3,452	1,072	474	2,105	1,320
2001	9,370	5,125	3,919	1,205	528	2,222	1,495
2002	8,937	4,987	3,852	1,135	460	2,004	1,486
2003	9,960	5,612	4,280	1,332	531	2,137	1,680

**Table 1-9**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Electric power generation, transmission and distribution**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	884	761	180	581	38	16	69
1962	930	783	190	592	55	21	71
1963	986	822	201	621	73	20	72
1964	1,038	866	203	664	82	19	71
1965	1,121	922	213	710	100	22	76
1966	1,227	1,022	264	758	98	22	85
1967	1,342	1,104	298	806	124	25	90
1968	1,492	1,228	347	881	144	21	100
1969	1,662	1,347	382	966	149	34	131
1970	1,886	1,555	422	1,134	160	24	146
1971	2,106	1,709	470	1,239	204	39	154
1972	2,288	1,866	512	1,354	216	44	163
1973	2,610	2,139	573	1,566	228	50	193
1974	3,042	2,476	712	1,764	284	66	217
1975	3,439	2,727	870	1,857	414	60	239
1976	4,319	3,339	1,048	2,292	616	76	287
1977	5,599	4,372	1,175	3,197	780	109	338
1978	6,517	5,091	1,354	3,738	883	163	380
1979	7,745	6,119	1,624	4,495	1,018	182	426
1980	8,909	7,183	1,794	5,389	1,070	185	470
1981	10,338	8,046	2,166	5,880	1,310	329	653
1982	11,786	9,133	2,488	6,645	1,616	312	724
1983	13,116	10,482	2,636	7,846	1,557	331	745
1984	14,672	11,895	2,521	9,374	1,697	342	737
1985	15,898	13,054	2,748	10,305	1,512	508	825
1986	16,435	13,990	2,897	11,093	1,112	445	889
1987	17,612	14,544	3,033	11,511	1,560	551	957
1988	18,780	15,659	3,304	12,354	1,470	526	1,126
1989	19,657	15,868	3,676	12,193	1,766	618	1,405
1990	20,371	16,369	4,049	12,320	1,718	664	1,620
1991	22,420	18,415	4,494	13,921	1,623	680	1,701
1992	24,100	19,408	4,645	14,763	1,632	809	2,252
1993	25,276	20,205	5,050	15,155	1,665	1,009	2,397
1994	26,404	20,677	4,601	16,076	1,507	1,909	2,311
1995	27,014	21,571	4,846	16,725	1,687	1,500	2,255
1996	27,241	22,038	4,732	17,307	1,677	1,301	2,226
1997	27,649	22,417	5,028	17,389	1,844	1,219	2,169
1998	27,624	21,923	5,277	16,646	2,392	998	2,310
1999	28,991	22,104	5,167	16,937	2,531	1,683	2,674
2000	32,126	23,081	5,413	17,669	3,504	2,330	3,211
2001	32,767	23,734	5,574	18,160	3,841	1,999	3,193
2002	32,897	23,620	5,668	17,952	4,032	1,834	3,410
2003	35,036	25,578	6,192	19,386	4,567	1,132	3,759

**Table 1-10**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Natural gas distribution, water and other systems**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	146	120	38	82	2	6	18
1962	161	135	42	93	2	6	18
1963	174	146	44	102	2	9	18
1964	187	162	44	118	2	6	16
1965	221	195	49	146	2	6	18
1966	237	207	52	156	2	9	19
1967	254	221	59	163	2	11	20
1968	276	241	62	179	4	8	22
1969	295	257	67	190	4	11	24
1970	328	291	71	220	4	7	27
1971	351	302	71	230	6	12	31
1972	384	324	76	249	6	20	34
1973	396	339	88	251	7	15	36
1974	468	394	98	296	8	22	43
1975	572	476	108	368	10	27	59
1976	685	565	128	438	12	45	62
1977	773	659	150	510	17	28	68
1978	835	711	169	542	20	30	73
1979	982	845	197	648	27	28	82
1980	1,070	921	222	699	34	20	95
1981	1,212	993	270	724	42	51	125
1982	1,461	1,236	342	894	41	50	133
1983	1,654	1,415	366	1,048	54	46	140
1984	1,995	1,745	406	1,339	54	43	152
1985	2,003	1,762	418	1,344	47	41	152
1986	2,041	1,794	452	1,342	39	29	180
1987	2,274	1,981	446	1,535	60	36	196
1988	2,345	2,052	482	1,570	55	35	203
1989	2,610	2,267	524	1,742	62	64	218
1990	2,571	2,166	513	1,653	72	82	252
1991	2,747	2,370	610	1,760	58	109	210
1992	2,889	2,459	660	1,799	65	117	248
1993	2,983	2,526	696	1,830	85	122	249
1994	3,122	2,620	705	1,915	96	150	256
1995	3,359	2,858	737	2,121	90	174	237
1996	3,707	3,132	738	2,394	106	172	298
1997	3,786	3,025	716	2,309	110	249	402
1998	3,763	3,022	762	2,260	103	143	495
1999	3,937	3,126	836	2,290	110	219	482
2000	4,121	3,160	755	2,406	139	255	568
2001	5,266	4,246	746	3,500	173	244	603
2002	4,743	3,694	802	2,892	128	262	659
2003	4,652	3,530	854	2,677	153	251	718

**Table 1-11**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Construction**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	7,376	2,860	2,493	367	116	3,962	438
1962	7,567	2,900	2,598	302	119	4,109	439
1963	7,951	3,044	2,716	329	127	4,315	465
1964	8,918	3,325	2,958	368	148	4,905	539
1965	10,192	3,913	3,452	461	153	5,494	632
1966	11,555	4,517	3,924	593	162	6,089	787
1967	12,028	4,826	4,211	615	166	6,130	905
1968	12,720	5,126	4,357	769	165	6,419	1,010
1969	13,849	5,431	4,632	799	183	7,095	1,139
1970	14,566	5,902	4,848	1,054	192	7,185	1,286
1971	16,716	6,686	5,660	1,026	226	8,363	1,441
1972	18,188	7,237	6,189	1,047	244	9,136	1,572
1973	21,260	8,949	7,670	1,280	262	10,149	1,899
1974	26,087	11,116	9,271	1,845	337	12,355	2,278
1975	30,095	13,402	10,825	2,577	380	13,460	2,853
1976	33,898	15,622	12,349	3,273	422	14,561	3,293
1977	36,873	17,023	13,765	3,258	483	15,742	3,624
1978	39,794	17,062	13,552	3,510	555	18,238	3,939
1979	45,125	18,469	14,457	4,012	666	21,567	4,424
1980	51,426	21,791	16,636	5,155	777	23,504	5,354
1981	62,234	26,183	19,881	6,302	1,041	28,098	6,912
1982	60,630	26,506	19,229	7,277	1,146	25,485	7,493
1983	61,692	26,083	18,785	7,297	1,187	27,489	6,933
1984	63,918	25,649	18,800	6,849	1,226	29,778	7,265
1985	70,037	27,381	20,601	6,780	1,442	33,310	7,904
1986	73,309	29,450	22,170	7,281	1,061	34,178	8,619
1987	84,354	33,781	25,944	7,837	1,130	39,328	10,116
1988	92,473	37,800	29,524	8,276	1,101	42,263	11,309
1989	101,679	42,384	32,982	9,402	1,181	45,771	12,343
1990	102,059	42,990	34,450	8,540	1,296	44,444	13,330
1991	92,319	39,981	32,479	7,502	1,191	38,248	12,900
1992	89,564	38,677	31,334	7,343	1,090	37,286	12,511
1993	90,047	37,694	30,280	7,414	1,095	38,458	12,801
1994	96,799	38,627	30,640	7,987	1,181	43,200	13,791
1995	91,720	37,128	30,412	6,716	1,198	39,835	13,560
1996	95,084	38,466	31,082	7,384	1,243	42,130	13,246
1997	105,874	42,995	35,070	7,925	1,311	45,532	16,036
1998	107,539	44,158	36,133	8,025	1,142	46,160	16,080
1999	113,397	46,225	37,793	8,433	1,271	49,518	16,383
2000	120,797	49,648	40,907	8,741	1,662	52,341	17,145
2001	132,896	54,210	43,456	10,754	2,037	57,739	18,909
2002	141,332	57,775	45,341	12,433	1,892	61,716	19,949
2003	152,538	61,340	47,001	14,340	2,087	68,010	21,102

**Table 1-12**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Food manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	4,508	1,055	704	351	65	3,107	281
1962	4,855	1,137	740	397	63	3,360	295
1963	5,179	1,190	769	421	64	3,620	305
1964	5,540	1,319	823	496	68	3,824	328
1965	5,811	1,412	884	528	74	3,982	342
1966	6,303	1,490	974	516	85	4,361	368
1967	6,625	1,610	1,042	568	78	4,544	392
1968	6,815	1,677	1,104	574	82	4,645	411
1969	7,295	1,787	1,176	611	85	4,978	444
1970	7,669	1,847	1,257	589	83	5,268	472
1971	8,089	2,036	1,328	708	89	5,486	478
1972	9,132	2,184	1,448	736	101	6,320	528
1973	11,204	2,519	1,578	940	109	7,974	603
1974	13,456	2,837	1,809	1,028	138	9,791	689
1975	14,842	3,330	2,113	1,217	170	10,581	762
1976	15,825	3,904	2,408	1,496	201	10,861	859
1977	17,361	4,212	2,660	1,552	235	11,951	964
1978	20,022	4,688	2,918	1,770	267	13,982	1,084
1979	23,144	5,154	3,248	1,906	310	16,482	1,198
1980	25,728	5,463	3,607	1,855	367	18,500	1,398
1981	28,731	6,208	3,992	2,216	434	20,448	1,640
1982	29,648	6,836	4,306	2,530	515	20,489	1,808
1983	30,597	7,476	4,547	2,929	554	20,642	1,925
1984	32,935	7,992	4,712	3,280	565	22,295	2,083
1985	34,140	8,726	4,963	3,762	588	22,549	2,277
1986	35,472	9,290	5,250	4,041	609	23,032	2,540
1987	37,439	10,097	5,535	4,562	603	24,012	2,727
1988	38,793	10,210	5,940	4,270	571	25,076	2,936
1989	39,738	10,625	6,192	4,433	564	25,462	3,086
1990	40,562	11,538	6,386	5,152	587	25,235	3,202
1991	40,528	12,517	6,488	6,029	609	24,164	3,238
1992	41,164	12,755	6,858	5,897	624	24,419	3,365
1993	42,570	12,511	6,860	5,651	651	26,037	3,371
1994	45,016	13,080	6,922	6,158	705	27,744	3,487
1995	47,292	13,058	7,051	6,008	694	29,790	3,750
1996	50,523	13,478	7,235	6,243	708	31,839	4,497
1997	52,362	13,862	7,311	6,551	738	33,244	4,518
1998	53,934	14,747	7,520	7,227	736	33,583	4,867
1999	55,854	15,472	8,185	7,287	834	34,527	5,020
2000	61,806	16,037	8,043	7,994	1,019	38,817	5,932
2001	65,841	17,375	8,497	8,879	1,141	41,466	5,858
2002	67,566	17,296	8,719	8,577	1,106	43,259	5,905
2003	69,669	18,215	9,228	8,986	1,306	44,084	6,065

**Table 1-13**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Beverage and tobacco product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	964	431	187	243	11	391	132
1962	991	432	196	236	12	412	135
1963	1,064	478	203	275	12	435	139
1964	1,116	505	214	291	13	452	146
1965	1,178	536	231	306	14	474	154
1966	1,311	586	255	331	14	547	164
1967	1,469	643	278	365	15	632	178
1968	1,518	662	298	364	16	650	190
1969	1,661	743	321	421	17	695	206
1970	1,763	784	346	438	18	746	215
1971	1,902	871	371	499	21	785	226
1972	2,019	944	400	544	22	814	240
1973	2,240	1,017	440	576	24	932	266
1974	2,619	1,073	512	561	31	1,218	296
1975	2,961	1,239	601	638	37	1,352	333
1976	3,116	1,302	681	621	44	1,406	365
1977	3,341	1,475	752	723	51	1,412	403
1978	3,567	1,553	796	757	55	1,524	435
1979	4,029	1,707	887	820	66	1,771	484
1980	4,510	1,872	970	902	78	2,004	556
1981	5,321	2,210	1,085	1,124	93	2,389	630
1982	5,724	2,462	1,198	1,265	107	2,452	702
1983	5,993	2,651	1,284	1,366	111	2,500	732
1984	6,437	2,841	1,354	1,487	117	2,709	770
1985	6,663	2,974	1,416	1,558	118	2,733	837
1986	7,096	3,049	1,479	1,570	128	3,014	905
1987	7,295	3,288	1,501	1,787	118	2,932	957
1988	7,963	3,618	1,524	2,093	106	3,187	1,053
1989	8,100	3,750	1,568	2,182	102	3,156	1,091
1990	7,980	3,826	1,589	2,237	95	2,982	1,076
1991	8,270	4,091	1,676	2,415	99	2,989	1,091
1992	8,585	4,237	1,674	2,564	94	3,084	1,170
1993	8,728	4,225	1,693	2,532	109	3,204	1,190
1994	9,443	4,583	1,689	2,894	110	3,483	1,266
1995	9,599	4,515	1,658	2,857	103	3,666	1,315
1996	10,067	4,725	1,679	3,047	98	3,662	1,581
1997	10,864	4,919	1,662	3,258	105	4,064	1,777
1998	11,697	5,425	1,780	3,645	113	4,211	1,948
1999	11,515	5,211	1,770	3,441	114	4,141	2,049
2000	12,956	5,385	1,783	3,602	157	4,495	2,919
2001	12,812	5,472	1,764	3,708	172	4,330	2,837
2002	13,076	5,878	1,781	4,097	170	4,390	2,637
2003	13,364	6,260	1,990	4,270	196	4,236	2,673

**Table 1-14**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Textile and textile product mills**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	651	217	172	45	10	387	37
1962	736	258	187	71	11	427	41
1963	801	286	199	87	11	462	43
1964	881	311	219	92	12	513	46
1965	946	347	236	111	12	538	49
1966	981	344	249	95	12	571	55
1967	1,005	355	273	81	12	577	61
1968	1,068	380	270	110	13	616	58
1969	1,146	420	287	133	13	650	64
1970	1,114	401	294	107	13	631	68
1971	1,211	447	310	138	15	676	72
1972	1,362	508	350	158	17	760	77
1973	1,522	554	390	164	20	859	90
1974	1,802	648	443	205	26	1,026	103
1975	1,776	652	476	176	31	983	109
1976	1,921	703	525	179	37	1,062	119
1977	2,022	722	543	179	39	1,132	128
1978	2,288	817	609	208	48	1,280	143
1979	2,799	970	698	272	57	1,602	171
1980	3,090	1,051	774	276	66	1,776	197
1981	4,229	1,455	1,003	453	99	2,404	271
1982	3,708	1,244	947	297	97	2,086	281
1983	4,502	1,647	1,084	563	116	2,421	318
1984	4,612	1,650	1,137	513	119	2,509	334
1985	4,594	1,671	1,128	542	108	2,471	344
1986	5,125	1,868	1,202	666	114	2,769	373
1987	5,540	1,936	1,299	636	114	3,095	396
1988	5,693	2,037	1,384	653	125	3,110	421
1989	5,686	2,030	1,417	613	120	3,115	421
1990	5,335	1,912	1,404	508	126	2,875	422
1991	4,869	1,862	1,358	504	126	2,492	389
1992	4,620	1,725	1,253	472	120	2,377	398
1993	4,796	1,857	1,300	557	120	2,424	394
1994	5,273	1,973	1,343	630	125	2,738	437
1995	5,572	2,060	1,395	665	128	2,942	442
1996	5,722	2,127	1,439	688	135	2,946	514
1997	6,091	2,204	1,456	747	135	3,215	537
1998	6,616	2,452	1,508	945	140	3,474	550
1999	6,765	2,601	1,571	1,030	144	3,464	556
2000	7,514	2,857	1,733	1,124	191	3,869	597
2001	7,230	2,741	1,720	1,021	215	3,641	632
2002	7,353	2,800	1,766	1,034	184	3,750	618
2003	6,859	2,573	1,663	910	189	3,503	594

**Table 1-15**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Clothing manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	980	384	339	46	4	519	74
1962	1,044	412	350	62	4	551	77
1963	1,122	439	366	73	4	598	81
1964	1,213	475	396	79	4	646	88
1965	1,295	510	428	82	5	685	95
1966	1,393	553	456	97	5	733	102
1967	1,414	574	474	100	6	728	106
1968	1,544	629	508	122	6	796	113
1969	1,636	659	553	105	6	848	124
1970	1,673	680	569	111	6	859	128
1971	1,819	752	616	136	7	929	131
1972	2,021	836	685	151	8	1,031	147
1973	2,259	910	752	158	9	1,180	160
1974	2,538	1,019	849	170	11	1,336	172
1975	2,806	1,197	976	221	12	1,406	190
1976	3,202	1,362	1,119	244	15	1,611	214
1977	3,301	1,412	1,150	262	16	1,645	228
1978	3,744	1,604	1,265	339	22	1,860	258
1979	4,370	1,824	1,412	412	22	2,237	287
1980	4,538	1,907	1,488	419	25	2,281	326
1981	4,863	2,074	1,582	491	29	2,382	379
1982	4,655	2,010	1,574	435	32	2,215	398
1983	5,038	2,178	1,675	503	38	2,389	433
1984	5,375	2,341	1,757	584	41	2,530	463
1985	5,664	2,418	1,810	608	45	2,703	498
1986	6,225	2,598	1,925	674	44	3,031	552
1987	6,700	2,806	2,020	786	42	3,284	568
1988	6,844	2,846	2,164	682	50	3,333	615
1989	7,231	3,023	2,250	773	44	3,512	651
1990	7,017	2,976	2,188	788	53	3,370	619
1991	6,336	2,728	2,032	696	53	2,979	576
1992	6,092	2,633	1,939	694	50	2,885	524
1993	6,147	2,691	1,914	777	57	2,964	435
1994	6,359	2,790	1,930	860	50	3,081	438
1995	6,710	2,937	1,963	974	51	3,269	453
1996	6,700	2,993	1,968	1,025	51	3,165	491
1997	7,194	3,266	2,022	1,245	52	3,358	519
1998	7,236	3,296	2,091	1,206	54	3,352	533
1999	7,359	3,442	2,175	1,267	56	3,278	582
2000	8,947	4,258	2,543	1,715	55	3,913	721
2001	8,732	3,922	2,624	1,299	69	4,012	728
2002	8,384	3,562	2,551	1,011	66	4,045	712
2003	8,279	3,600	2,478	1,122	74	3,853	752

**Table 1-16**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Leather and allied product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	317	130	115	15	3	164	20
1962	339	142	121	21	3	174	21
1963	345	152	123	29	3	168	21
1964	365	163	130	34	3	176	23
1965	376	164	134	30	3	184	25
1966	408	168	145	23	3	209	28
1967	395	177	148	29	3	186	29
1968	421	188	156	32	3	199	32
1969	440	190	163	27	3	214	33
1970	422	186	155	30	3	201	33
1971	448	196	163	33	3	213	35
1972	476	191	170	21	4	244	37
1973	538	213	182	30	4	282	40
1974	617	256	208	48	5	312	44
1975	656	283	235	48	6	321	48
1976	763	322	267	55	7	379	55
1977	752	316	261	55	8	374	55
1978	924	370	294	76	9	481	64
1979	1,150	421	338	83	10	646	74
1980	1,147	479	351	128	11	576	81
1981	1,298	544	400	144	13	658	83
1982	1,152	492	376	116	13	564	84
1983	1,221	524	394	130	14	590	92
1984	1,341	580	426	154	16	647	98
1985	1,354	572	424	147	15	666	101
1986	1,361	568	436	133	15	672	107
1987	1,370	547	411	136	13	708	102
1988	1,318	510	398	111	14	694	99
1989	1,318	544	380	164	13	667	94
1990	1,196	486	375	111	12	606	92
1991	967	403	321	82	11	471	82
1992	928	411	306	105	11	430	76
1993	970	412	318	94	11	466	80
1994	1,063	452	335	117	12	516	82
1995	1,016	412	322	90	11	513	81
1996	954	376	309	67	11	486	82
1997	1,064	422	318	104	12	535	96
1998	1,014	405	305	100	11	487	111
1999	967	409	300	109	10	440	110
2000	1,140	488	319	169	11	535	106
2001	1,070	388	302	86	11	576	95
2002	1,006	399	286	113	12	507	88
2003	897	352	259	93	12	449	84

**Table 1-17**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Wood product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,048	390	321	69	20	580	58
1962	1,164	447	347	99	24	629	64
1963	1,286	509	379	130	26	684	67
1964	1,422	549	410	139	27	773	74
1965	1,505	578	447	131	29	819	80
1966	1,603	615	485	130	28	873	87
1967	1,679	654	505	149	30	896	99
1968	1,959	784	548	236	32	1,036	107
1969	2,193	846	603	243	35	1,190	121
1970	1,998	717	614	103	34	1,117	129
1971	2,331	854	707	147	42	1,298	138
1972	3,073	1,206	857	349	53	1,647	168
1973	4,161	1,714	1,039	675	65	2,181	202
1974	4,101	1,562	1,166	396	75	2,244	221
1975	3,899	1,462	1,218	244	82	2,118	236
1976	5,188	1,937	1,558	378	108	2,858	286
1977	6,155	2,465	1,800	665	133	3,232	326
1978	7,537	3,106	2,070	1,036	161	3,885	384
1979	8,956	3,524	2,360	1,164	186	4,819	428
1980	8,600	3,102	2,515	587	206	4,820	471
1981	7,755	2,642	2,363	279	249	4,400	464
1982	6,583	2,006	1,553	453	257	3,875	445
1983	8,874	3,079	2,555	524	304	4,945	546
1984	9,416	3,206	2,695	511	334	5,291	586
1985	10,411	3,676	2,896	779	351	5,744	640
1986	11,487	4,238	2,960	1,278	343	6,198	708
1987	13,578	5,075	3,414	1,662	359	7,316	828
1988	14,147	4,731	3,612	1,119	363	8,187	866
1989	14,494	4,848	3,703	1,145	370	8,371	906
1990	13,508	4,244	3,591	653	371	7,937	956
1991	12,041	3,674	3,307	368	369	7,106	891
1992	13,866	4,468	3,573	895	402	8,042	955
1993	17,844	6,473	3,953	2,520	427	9,878	1,067
1994	21,920	8,537	4,398	4,139	480	11,661	1,241
1995	22,046	7,476	4,618	2,858	498	12,768	1,305
1996	23,373	7,960	4,789	3,171	542	13,371	1,500
1997	26,496	9,198	5,247	3,951	615	15,111	1,572
1998	26,448	9,133	5,244	3,889	642	15,126	1,547
1999	30,880	11,977	5,865	6,112	701	16,446	1,756
2000	33,562	12,159	6,435	5,724	859	18,380	2,164
2001	31,453	11,300	6,259	5,040	883	17,161	2,110
2002	33,603	12,079	6,475	5,604	895	18,404	2,225
2003	33,064	11,649	6,575	5,074	984	18,118	2,312

Table 1-18

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Paper manufacturing

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	2,155	939	511	428	118	990	108
1962	2,278	988	540	448	123	1,051	116
1963	2,393	1,031	563	468	127	1,112	123
1964	2,646	1,134	614	520	140	1,242	131
1965	2,816	1,167	664	504	152	1,348	149
1966	3,108	1,255	773	483	165	1,522	165
1967	3,175	1,225	840	385	177	1,598	175
1968	3,351	1,274	902	373	186	1,703	188
1969	3,774	1,474	1,001	473	204	1,881	215
1970	3,918	1,547	1,064	484	210	1,934	227
1971	3,986	1,527	1,125	402	238	1,986	234
1972	4,338	1,652	1,227	425	258	2,163	265
1973	5,160	2,067	1,339	728	281	2,513	299
1974	7,598	3,301	1,656	1,645	439	3,490	368
1975	7,016	2,819	1,698	1,121	438	3,395	364
1976	8,241	3,247	2,133	1,114	587	3,966	441
1977	8,735	3,410	2,289	1,122	696	4,148	481
1978	9,887	3,872	2,522	1,350	817	4,631	568
1979	12,072	4,911	2,757	2,154	941	5,582	639
1980	14,192	5,681	3,072	2,608	1,044	6,721	747
1981	15,341	5,716	3,435	2,281	1,270	7,438	917
1982	14,380	4,783	3,603	1,181	1,361	7,259	976
1983	14,927	4,974	3,790	1,183	1,505	7,408	1,041
1984	17,439	6,142	3,978	2,164	1,685	8,414	1,200
1985	18,018	6,217	4,237	1,980	1,729	8,812	1,260
1986	19,876	7,298	4,517	2,781	1,552	9,557	1,468
1987	22,845	9,030	4,720	4,310	1,614	10,531	1,670
1988	25,613	10,347	5,050	5,297	1,725	11,676	1,866
1989	25,904	9,856	5,257	4,599	1,777	12,398	1,873
1990	24,058	8,495	5,320	3,175	1,902	11,717	1,945
1991	21,221	6,551	5,419	1,132	2,012	10,898	1,760
1992	20,681	5,921	5,411	510	1,992	10,964	1,804
1993	21,266	6,321	5,457	863	2,065	11,061	1,819
1994	25,596	8,080	5,674	2,406	2,181	13,145	2,190
1995	36,756	14,471	6,051	8,420	2,312	17,618	2,356
1996	32,199	12,225	6,133	6,092	2,328	15,127	2,520
1997	30,892	10,837	6,114	4,723	2,502	15,081	2,472
1998	30,456	11,431	5,910	5,522	2,179	14,388	2,457
1999	32,760	11,382	6,264	5,118	2,638	15,846	2,895
2000	38,708	14,535	6,411	8,124	3,141	17,497	3,536
2001	37,130	13,554	6,486	7,068	3,099	17,194	3,283
2002	35,194	11,865	6,562	5,303	3,129	16,797	3,404
2003	34,816	10,740	6,871	3,869	3,388	17,186	3,502

Table 1-19

Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Printing and related support activities

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	464	234	204	30	4	176	50
1962	497	256	222	35	4	181	55
1963	526	271	234	37	4	192	59
1964	560	287	246	41	5	206	63
1965	617	316	270	46	5	226	70
1966	683	347	295	53	5	255	75
1967	724	366	311	55	5	275	78
1968	768	388	334	55	6	288	85
1969	833	417	359	58	6	315	95
1970	866	433	378	55	6	330	97
1971	934	465	400	65	6	359	104
1972	1,039	511	435	76	8	405	115
1973	1,188	591	492	99	9	458	130
1974	1,420	673	566	107	10	594	144
1975	1,618	785	656	129	12	659	162
1976	1,854	908	755	154	15	739	191
1977	2,036	975	798	176	18	830	213
1978	2,319	1,088	878	210	19	969	243
1979	2,685	1,256	1,011	245	22	1,132	276
1980	3,154	1,432	1,150	282	25	1,376	320
1981	3,744	1,753	1,342	410	33	1,538	420
1982	3,897	1,825	1,439	386	38	1,562	472
1983	4,206	1,982	1,611	371	42	1,633	549
1984	4,971	2,338	1,774	564	52	1,939	642
1985	5,503	2,604	1,950	654	58	2,059	781
1986	6,002	2,750	2,130	620	69	2,307	876
1987	6,341	2,861	2,252	609	74	2,549	856
1988	7,224	3,200	2,592	608	80	3,103	840
1989	7,749	3,557	2,810	747	85	3,258	848
1990	8,059	3,998	3,036	962	90	3,109	862
1991	7,536	3,618	2,972	645	99	2,986	834
1992	7,403	3,706	2,838	868	95	2,727	875
1993	7,302	3,627	2,811	816	96	2,756	822
1994	7,805	3,814	2,825	989	96	3,003	892
1995	8,684	3,926	2,943	983	98	3,714	947
1996	9,121	4,243	3,102	1,141	97	3,707	1,073
1997	9,244	4,324	3,134	1,190	95	3,740	1,085
1998	9,584	4,417	3,196	1,220	97	3,900	1,170
1999	10,296	4,834	3,384	1,450	111	4,036	1,315
2000	12,104	5,630	3,618	2,012	123	4,658	1,694
2001	13,223	6,426	3,940	2,486	144	5,046	1,607
2002	12,851	6,232	3,856	2,376	137	4,878	1,604
2003	13,057	5,945	3,856	2,089	174	5,304	1,633

Table 1-20

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Petroleum and coal products manufacturing

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,288	255	93	162	18	935	79
1962	1,365	252	97	155	17	1,011	86
1963	1,457	261	97	164	17	1,084	94
1964	1,513	261	102	159	19	1,132	101
1965	1,532	238	102	136	18	1,169	106
1966	1,595	221	116	105	20	1,237	117
1967	1,648	227	150	76	19	1,274	127
1968	1,782	249	157	93	21	1,366	146
1969	1,821	234	177	57	23	1,405	160
1970	1,929	257	190	67	26	1,478	169
1971	2,271	290	195	96	34	1,763	184
1972	2,563	322	209	114	41	1,978	222
1973	3,287	355	235	120	56	2,608	268
1974	6,251	383	292	91	83	5,477	308
1975	7,780	782	344	438	133	6,499	367
1976	8,247	540	385	156	169	7,132	405
1977	9,871	787	449	338	229	8,373	482
1978	11,033	534	527	7	245	9,753	500
1979	14,029	803	537	265	300	12,328	599
1980	18,789	1,118	616	502	407	16,582	682
1981	25,030	707	391	316	635	22,787	900
1982	23,370	770	527	243	390	21,400	810
1983	24,204	1,350	900	450	497	21,540	818
1984	26,076	1,558	873	686	513	23,116	888
1985	24,266	1,529	878	650	542	21,298	898
1986	15,328	2,079	814	1,264	476	11,848	925
1987	16,788	1,296	857	439	471	13,994	1,027
1988	14,650	1,874	877	997	483	11,313	980
1989	15,658	640	330	309	529	13,353	1,137
1990	19,486	1,289	939	350	532	16,472	1,194
1991	17,891	2,814	898	1,916	642	13,268	1,168
1992	16,837	1,392	874	518	785	13,602	1,058
1993	16,954	1,247	962	286	842	13,741	1,123
1994	17,109	1,600	1,009	592	961	13,457	1,090
1995	18,750	1,642	964	678	987	14,926	1,194
1996	22,884	1,417	892	525	1,418	18,561	1,489
1997	22,188	1,657	996	661	935	18,196	1,400
1998	17,644	1,736	984	751	764	13,853	1,291
1999	22,428	1,966	1,046	921	947	18,079	1,436
2000	35,980	2,614	1,192	1,422	1,966	29,249	2,152
2001	36,588	4,202	1,160	3,042	1,657	28,434	2,296
2002	36,402	3,477	1,221	2,256	1,690	28,936	2,299
2003	41,135	4,188	1,567	2,620	1,954	32,357	2,637

**Table 1-21**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Chemical manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,749	716	409	307	68	754	210
1962	1,904	795	434	360	66	821	223
1963	2,063	863	467	396	70	892	238
1964	2,284	953	504	449	75	998	258
1965	2,474	994	547	448	82	1,112	286
1966	2,680	1,066	612	453	107	1,191	316
1967	2,802	1,111	650	462	118	1,234	339
1968	2,998	1,208	710	498	128	1,292	372
1969	3,283	1,340	788	552	139	1,396	408
1970	3,282	1,303	838	465	147	1,408	424
1971	3,485	1,374	880	493	150	1,508	454
1972	3,716	1,448	931	517	163	1,603	501
1973	4,399	1,673	1,031	642	194	1,969	564
1974	5,714	2,077	1,195	882	260	2,727	650
1975	6,170	2,146	1,333	813	302	3,007	715
1976	6,819	2,354	1,467	887	411	3,222	832
1977	7,724	2,605	1,653	952	529	3,628	962
1978	9,374	3,123	1,813	1,310	599	4,507	1,145
1979	11,939	3,932	2,058	1,874	736	5,943	1,327
1980	13,919	4,247	2,292	1,955	1,031	7,074	1,567
1981	16,661	4,990	2,739	2,250	1,374	8,433	1,864
1982	16,138	4,706	2,994	1,712	1,495	7,928	2,008
1983	17,987	5,588	3,164	2,423	1,701	8,529	2,169
1984	19,926	6,443	3,353	3,090	1,917	9,266	2,300
1985	21,062	6,954	3,515	3,439	1,998	9,716	2,394
1986	21,388	7,742	3,679	4,064	1,781	9,334	2,530
1987	23,235	8,712	3,866	4,846	1,651	10,187	2,686
1988	26,231	10,678	4,182	6,496	1,571	11,036	2,946
1989	27,386	11,149	4,404	6,745	1,717	11,467	3,053
1990	26,727	10,610	4,625	5,985	1,858	11,203	3,056
1991	24,937	9,842	4,696	5,147	1,781	10,273	3,040
1992	25,183	9,830	4,836	4,993	1,702	10,477	3,175
1993	26,546	10,463	4,926	5,537	1,954	10,860	3,269
1994	30,113	11,759	5,089	6,670	2,234	12,675	3,444
1995	33,759	13,843	5,100	8,743	2,133	14,193	3,591
1996	33,860	13,469	5,288	8,180	2,530	13,686	4,174
1997	34,729	12,837	4,894	7,943	2,582	14,779	4,531
1998	33,697	12,152	5,061	7,091	2,380	14,436	4,729
1999	35,478	12,433	5,270	7,163	2,918	15,199	4,928
2000	42,615	13,432	5,250	8,182	4,280	18,821	6,081
2001	44,471	13,542	5,449	8,093	4,652	19,950	6,327
2002	46,337	15,124	5,593	9,532	4,464	20,271	6,478
2003	49,236	15,162	6,171	8,991	5,130	22,104	6,841

Table 1-22

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Plastics and rubber products manufacturing

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	483	195	142	53	7	242	39
1962	539	218	155	63	8	271	42
1963	592	237	169	68	8	300	46
1964	665	270	190	80	9	335	51
1965	728	299	211	88	10	361	57
1966	857	355	245	110	11	424	67
1967	913	378	263	115	12	449	74
1968	984	422	280	142	13	466	83
1969	1,103	468	310	158	14	529	92
1970	1,160	487	336	152	15	557	100
1971	1,298	568	374	193	18	601	111
1972	1,517	668	451	217	24	694	131
1973	1,762	759	521	238	25	826	152
1974	2,152	858	585	273	32	1,097	164
1975	2,214	882	652	230	38	1,116	179
1976	2,624	1,031	771	261	49	1,329	214
1977	2,940	1,159	849	310	58	1,484	239
1978	3,336	1,305	957	347	68	1,696	269
1979	4,177	1,549	1,120	429	83	2,213	332
1980	4,582	1,663	1,218	445	95	2,445	380
1981	5,483	1,939	1,437	502	117	2,925	502
1982	5,258	1,866	1,483	383	131	2,731	530
1983	6,020	2,177	1,621	556	150	3,101	592
1984	7,184	2,686	1,862	824	167	3,659	673
1985	8,005	3,094	2,051	1,043	182	3,986	743
1986	8,746	3,274	2,261	1,013	184	4,450	838
1987	9,478	3,546	2,384	1,162	197	4,864	870
1988	10,542	3,825	2,745	1,080	215	5,540	961
1989	11,047	4,060	2,912	1,149	229	5,769	990
1990	10,398	4,208	2,958	1,250	232	5,049	909
1991	9,742	4,012	2,942	1,071	246	4,590	893
1992	10,425	4,444	3,059	1,385	265	4,760	955
1993	11,673	4,903	3,239	1,664	278	5,454	1,039
1994	13,506	5,567	3,486	2,080	298	6,489	1,152
1995	15,166	5,822	3,789	2,033	325	7,734	1,285
1996	16,462	6,693	3,987	2,706	340	7,963	1,466
1997	17,788	7,066	4,316	2,750	354	8,694	1,674
1998	18,527	7,398	4,557	2,841	380	8,923	1,826
1999	20,159	7,946	4,872	3,074	402	9,795	2,016
2000	24,125	9,151	5,380	3,771	465	12,146	2,363
2001	24,298	9,444	5,373	4,071	503	11,980	2,371
2002	26,037	9,979	5,826	4,153	523	12,924	2,611
2003	26,882	10,144	6,092	4,052	624	13,372	2,743

**Table 1-23**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Non-metallic mineral product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	697	321	208	113	50	257	70
1962	800	371	228	143	52	297	80
1963	835	386	237	148	53	313	83
1964	947	441	262	179	58	357	91
1965	1,074	493	293	201	65	413	103
1966	1,157	546	325	222	70	429	112
1967	1,123	525	334	191	67	420	111
1968	1,247	592	362	231	70	462	122
1969	1,332	635	396	239	74	494	128
1970	1,328	620	405	215	78	495	134
1971	1,551	753	452	300	88	566	145
1972	1,757	888	512	376	103	626	140
1973	2,022	1,000	580	420	119	740	163
1974	2,424	1,142	684	458	175	916	191
1975	2,717	1,289	768	521	194	1,023	212
1976	3,037	1,403	866	537	242	1,152	240
1977	3,216	1,452	925	527	273	1,233	257
1978	3,679	1,663	1,020	643	326	1,394	296
1979	4,239	1,858	1,143	715	388	1,655	338
1980	4,352	1,836	1,220	616	398	1,759	360
1981	4,935	2,000	1,348	652	472	2,016	447
1982	4,480	1,793	1,290	504	458	1,796	433
1983	4,889	2,053	1,349	704	477	1,900	459
1984	5,413	2,281	1,443	838	522	2,093	516
1985	6,032	2,604	1,579	1,025	547	2,309	572
1986	6,799	2,977	1,721	1,256	514	2,664	644
1987	7,712	3,499	1,873	1,626	513	3,026	676
1988	8,121	3,716	2,002	1,715	553	3,086	766
1989	8,276	3,746	2,072	1,674	528	3,281	721
1990	7,698	3,423	2,050	1,374	526	3,046	702
1991	6,506	2,794	1,914	881	487	2,572	651
1992	6,219	2,684	1,827	856	471	2,452	612
1993	6,403	2,697	1,803	894	462	2,526	718
1994	6,904	2,867	1,788	1,079	509	2,749	779
1995	7,387	3,103	1,885	1,218	516	2,946	822
1996	8,055	3,462	2,026	1,436	533	3,071	988
1997	8,786	3,787	2,139	1,648	575	3,452	972
1998	9,291	4,086	2,267	1,819	581	3,497	1,127
1999	9,428	4,161	2,255	1,906	617	3,570	1,080
2000	10,719	4,630	2,480	2,150	743	4,138	1,208
2001	11,422	4,986	2,619	2,367	772	4,387	1,278
2002	12,157	5,096	2,782	2,314	804	4,821	1,437
2003	12,844	5,436	3,002	2,434	875	5,007	1,526

**Table 1-24**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Primary metal manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	2,462	785	522	263	162	1,424	90
1962	2,640	844	550	294	163	1,538	95
1963	2,839	919	589	331	175	1,644	100
1964	3,250	1,040	652	388	185	1,910	113
1965	3,689	1,219	734	485	206	2,135	129
1966	3,899	1,259	818	441	216	2,277	146
1967	4,020	1,237	866	371	217	2,408	159
1968	4,442	1,360	922	438	239	2,664	178
1969	4,684	1,461	967	495	242	2,797	184
1970	5,323	1,545	1,101	444	307	3,264	207
1971	5,123	1,607	1,164	443	328	2,973	215
1972	5,468	1,702	1,267	435	362	3,161	242
1973	6,647	1,970	1,410	560	414	3,991	272
1974	8,746	2,348	1,680	667	659	5,412	328
1975	8,699	2,456	1,886	570	825	5,053	364
1976	9,177	2,521	2,068	453	888	5,373	395
1977	10,221	3,118	2,296	822	1,018	5,636	449
1978	11,872	3,618	2,549	1,069	1,214	6,531	510
1979	14,824	4,141	2,907	1,234	1,343	8,764	576
1980	17,694	4,766	3,292	1,473	1,569	10,681	678
1981	18,225	4,905	3,665	1,240	1,677	10,810	833
1982	14,658	3,976	3,820	155	1,578	8,312	791
1983	16,485	4,760	3,872	888	1,667	9,201	857
1984	19,795	5,861	4,300	1,562	1,876	11,104	954
1985	20,123	6,091	4,431	1,660	1,904	11,109	1,018
1986	20,088	6,145	4,437	1,708	1,898	10,957	1,088
1987	22,609	7,282	4,607	2,675	1,930	12,223	1,174
1988	28,382	8,817	5,054	3,764	1,913	16,310	1,341
1989	28,900	8,117	5,235	2,882	1,958	17,399	1,426
1990	23,849	6,482	5,006	1,476	1,796	14,258	1,313
1991	21,978	5,810	5,130	680	1,862	13,027	1,279
1992	22,122	5,667	5,187	480	2,088	13,071	1,296
1993	23,692	6,410	5,183	1,227	2,207	13,766	1,309
1994	28,070	7,522	5,206	2,316	2,211	16,903	1,434
1995	32,572	8,912	5,535	3,377	2,445	19,608	1,607
1996	32,243	8,681	5,551	3,130	2,517	19,342	1,704
1997	35,277	9,586	5,735	3,851	2,672	21,014	2,005
1998	35,931	10,182	5,832	4,350	2,901	20,764	2,084
1999	35,874	10,487	6,051	4,436	2,871	20,182	2,333
2000	39,152	11,718	6,183	5,536	3,053	21,871	2,510
2001	37,096	9,797	5,846	3,951	2,986	21,743	2,570
2002	37,888	11,087	6,048	5,039	2,857	21,266	2,678
2003	37,694	10,184	6,009	4,174	3,272	21,747	2,492

**Table 1-25**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Fabricated metal product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,358	582	435	146	18	679	79
1962	1,563	674	487	187	19	781	89
1963	1,689	722	518	204	20	854	93
1964	1,908	822	571	251	22	963	102
1965	2,257	983	668	315	24	1,130	120
1966	2,512	1,105	778	327	25	1,247	135
1967	2,470	1,111	790	321	27	1,189	144
1968	2,630	1,190	836	355	29	1,258	152
1969	2,893	1,294	931	363	31	1,397	170
1970	3,053	1,329	985	344	31	1,507	185
1971	3,252	1,459	1,030	430	34	1,572	187
1972	3,554	1,578	1,116	462	39	1,725	212
1973	4,247	1,845	1,255	590	44	2,108	249
1974	5,564	2,372	1,521	851	56	2,840	296
1975	5,876	2,479	1,719	760	65	3,007	325
1976	6,547	2,769	1,957	812	81	3,325	372
1977	6,831	2,851	2,075	776	95	3,480	404
1978	7,777	3,203	2,266	936	107	4,014	452
1979	9,465	3,568	2,550	1,017	122	5,256	520
1980	10,921	3,915	2,770	1,146	139	6,272	595
1981	11,534	4,340	2,991	1,349	158	6,363	673
1982	10,716	3,953	2,950	1,003	172	5,906	686
1983	10,368	3,906	2,909	997	184	5,583	695
1984	11,666	4,273	2,976	1,297	201	6,445	748
1985	13,184	4,889	3,232	1,656	210	7,252	833
1986	14,100	5,170	3,437	1,733	201	7,786	943
1987	15,274	5,830	3,722	2,108	221	8,257	967
1988	16,401	6,261	4,229	2,032	246	8,858	1,036
1989	17,030	6,750	4,706	2,043	255	8,983	1,043
1990	15,796	6,589	4,725	1,864	258	7,966	983
1991	14,102	5,937	4,538	1,399	272	6,955	938
1992	13,131	5,485	4,152	1,333	249	6,487	910
1993	13,529	5,535	4,091	1,444	256	6,846	892
1994	15,587	6,256	4,430	1,826	280	8,042	1,009
1995	17,936	7,307	4,936	2,371	284	9,217	1,128
1996	18,984	7,826	5,446	2,380	292	9,577	1,289
1997	21,511	9,326	6,188	3,138	337	10,656	1,191
1998	23,190	10,026	6,812	3,215	359	11,520	1,284
1999	24,947	11,204	7,183	4,022	393	11,893	1,457
2000	31,957	13,883	8,748	5,135	593	15,184	2,297
2001	32,064	13,509	8,761	4,748	521	15,578	2,456
2002	33,223	14,062	9,332	4,730	509	16,153	2,498
2003	33,299	13,993	9,546	4,446	616	16,189	2,502

**Table 1-26**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Machinery manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	805	380	286	94	10	352	64
1962	935	449	320	130	9	407	69
1963	1,092	510	360	150	10	495	78
1964	1,337	609	414	196	10	627	90
1965	1,562	693	474	219	12	753	105
1966	1,756	778	544	234	14	846	118
1967	1,797	812	587	225	14	847	124
1968	1,801	835	596	238	14	821	131
1969	2,078	946	679	267	16	974	142
1970	2,064	925	698	227	16	972	151
1971	2,174	980	732	248	18	1,024	152
1972	2,483	1,106	841	265	22	1,180	177
1973	2,945	1,284	962	322	24	1,428	209
1974	3,785	1,644	1,187	456	30	1,863	248
1975	4,319	1,837	1,379	458	37	2,165	279
1976	4,610	2,014	1,509	504	48	2,236	314
1977	5,011	2,219	1,646	572	56	2,389	347
1978	5,790	2,620	1,841	779	64	2,720	386
1979	7,501	3,321	2,209	1,112	74	3,651	455
1980	8,633	3,817	2,540	1,277	86	4,192	537
1981	9,971	4,316	2,986	1,330	103	4,832	719
1982	8,631	3,792	2,845	946	110	4,019	711
1983	7,904	3,449	2,681	768	110	3,639	706
1984	9,327	4,154	2,836	1,318	122	4,273	778
1985	10,194	4,475	3,048	1,428	130	4,734	855
1986	11,080	4,846	3,257	1,589	118	5,158	958
1987	11,670	4,789	3,469	1,320	137	5,747	998
1988	13,388	5,737	3,966	1,771	144	6,425	1,082
1989	14,540	6,186	4,336	1,850	154	7,047	1,153
1990	13,770	6,133	4,274	1,858	154	6,376	1,108
1991	11,962	5,331	4,157	1,174	168	5,442	1,022
1992	11,801	5,308	4,054	1,254	160	5,329	1,004
1993	13,499	6,218	4,327	1,891	164	6,095	1,022
1994	16,189	7,053	4,673	2,380	174	7,776	1,186
1995	19,213	8,426	5,360	3,066	192	9,228	1,368
1996	20,339	8,869	5,782	3,088	189	9,730	1,550
1997	22,464	9,833	6,163	3,670	219	10,647	1,766
1998	23,475	10,319	6,749	3,570	216	11,019	1,921
1999	23,482	10,768	6,618	4,150	208	10,623	1,883
2000	28,435	12,400	7,450	4,950	234	13,566	2,235
2001	28,503	12,453	7,413	5,040	225	13,450	2,376
2002	28,655	12,158	7,798	4,360	227	13,826	2,444
2003	28,947	11,897	7,965	3,932	308	14,294	2,448

**Table 1-27**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Computer and electronic product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	769	392	292	100	4	297	76
1962	925	493	328	165	4	343	85
1963	975	494	355	139	4	388	90
1964	1,072	561	383	178	4	409	97
1965	1,191	631	431	200	4	447	109
1966	1,427	722	505	217	6	566	133
1967	1,520	723	562	160	6	646	145
1968	1,673	843	616	227	6	660	164
1969	1,885	949	688	261	7	737	192
1970	1,842	913	709	204	7	725	197
1971	1,763	816	679	138	9	755	183
1972	2,068	999	696	303	10	848	210
1973	2,371	1,135	790	345	12	983	240
1974	2,803	1,294	916	378	14	1,231	263
1975	2,913	1,389	988	401	17	1,230	277
1976	3,109	1,494	1,056	437	22	1,280	314
1977	3,124	1,519	1,071	448	23	1,251	330
1978	3,503	1,648	1,163	485	23	1,466	366
1979	4,432	2,099	1,414	685	26	1,882	425
1980	5,448	2,537	1,673	864	35	2,370	506
1981	5,068	2,455	1,535	921	32	2,129	452
1982	5,338	2,719	1,739	980	36	2,069	513
1983	5,668	2,837	1,944	892	38	2,246	548
1984	7,409	3,659	2,278	1,381	52	3,016	682
1985	8,319	3,880	2,536	1,344	55	3,605	780
1986	8,695	3,839	2,611	1,228	55	3,904	897
1987	9,959	4,581	2,891	1,690	64	4,330	984
1988	11,957	5,120	3,202	1,918	65	5,601	1,171
1989	13,114	5,357	3,342	2,016	72	6,490	1,195
1990	14,275	5,199	3,365	1,834	78	7,641	1,358
1991	14,287	5,026	3,381	1,645	75	7,873	1,313
1992	15,218	5,217	3,667	1,550	85	8,566	1,351
1993	15,559	5,464	3,544	1,920	84	8,613	1,398
1994	18,987	5,897	3,797	2,100	88	11,297	1,706
1995	23,506	6,466	4,053	2,413	95	14,746	2,199
1996	22,953	6,452	4,038	2,414	92	13,881	2,528
1997	23,907	7,629	4,340	3,289	108	13,246	2,924
1998	26,004	8,100	4,900	3,200	109	14,218	3,578
1999	30,365	10,885	5,098	5,788	107	14,699	4,674
2000	39,977	11,665	5,761	5,904	109	22,137	6,066
2001	28,560	6,492	5,394	1,098	109	17,588	4,371
2002	23,681	5,821	5,163	658	120	13,751	3,989
2003	23,468	6,948	5,322	1,625	110	12,450	3,961

Table 1-28

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Electrical equipment, appliance and component manufacturing

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	884	368	268	100	9	435	72
1962	990	419	290	130	10	484	77
1963	1,091	461	316	145	10	537	82
1964	1,234	524	346	179	11	608	90
1965	1,390	563	382	181	12	716	100
1966	1,592	632	441	192	12	836	112
1967	1,574	638	465	173	13	807	116
1968	1,614	670	470	200	13	812	119
1969	1,782	708	506	202	14	928	131
1970	1,827	736	541	196	14	941	136
1971	1,993	850	588	262	16	983	145
1972	2,173	907	648	258	18	1,087	161
1973	2,534	1,047	719	327	20	1,286	180
1974	3,122	1,235	867	368	24	1,655	208
1975	3,148	1,292	940	351	34	1,601	222
1976	3,448	1,449	1,059	390	38	1,710	251
1977	3,625	1,518	1,075	443	46	1,788	274
1978	4,069	1,649	1,209	440	58	2,055	306
1979	5,002	1,972	1,388	584	55	2,621	354
1980	5,423	2,135	1,518	618	62	2,826	400
1981	6,212	2,489	1,683	806	113	3,127	482
1982	5,411	2,233	1,635	598	98	2,609	472
1983	5,490	2,271	1,633	638	104	2,626	489
1984	6,105	2,494	1,721	773	114	2,962	535
1985	6,868	2,817	1,786	1,032	121	3,348	582
1986	7,352	2,996	1,866	1,129	114	3,604	638
1987	7,856	2,988	1,988	1,000	118	4,071	678
1988	8,531	3,153	2,130	1,023	120	4,550	708
1989	9,057	3,508	2,244	1,264	125	4,688	736
1990	8,363	3,520	2,224	1,296	131	4,026	686
1991	7,321	2,902	2,134	769	122	3,636	660
1992	6,935	2,721	2,048	673	113	3,415	685
1993	6,948	2,828	1,995	833	114	3,344	663
1994	7,518	3,041	1,996	1,045	115	3,694	667
1995	7,951	2,973	1,998	975	119	4,128	732
1996	8,264	3,289	1,995	1,294	120	4,001	854
1997	8,704	3,329	1,993	1,336	121	4,331	922
1998	9,086	3,581	2,143	1,439	126	4,416	962
1999	10,022	3,726	2,497	1,230	97	5,110	1,088
2000	12,635	4,451	2,536	1,915	106	6,644	1,433
2001	13,082	4,460	2,834	1,626	113	6,922	1,587
2002	10,830	3,860	2,672	1,188	118	5,476	1,376
2003	10,507	3,498	2,618	880	126	5,476	1,406

**Table 1-29**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Transportation equipment manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,959	697	548	150	20	1,106	134
1962	2,437	809	613	196	21	1,452	156
1963	2,946	964	694	269	23	1,769	190
1964	3,358	1,065	798	267	24	2,057	212
1965	4,102	1,335	946	390	28	2,482	257
1966	4,495	1,407	1,072	335	34	2,743	311
1967	5,069	1,637	1,138	499	35	2,997	400
1968	6,072	1,865	1,294	571	40	3,695	473
1969	7,040	2,196	1,452	744	44	4,260	541
1970	6,260	1,825	1,426	398	44	3,861	530
1971	7,615	2,316	1,580	736	52	4,664	583
1972	8,609	2,657	1,798	859	59	5,251	642
1973	10,162	3,119	2,123	996	75	6,240	728
1974	11,352	3,287	2,349	938	90	7,065	910
1975	12,251	3,322	2,454	868	103	7,857	969
1976	14,428	3,928	2,904	1,024	128	9,160	1,213
1977	16,560	4,354	3,286	1,069	154	10,611	1,441
1978	19,519	5,093	3,800	1,293	170	12,598	1,657
1979	21,503	5,670	4,266	1,404	184	13,671	1,978
1980	20,510	4,955	4,348	606	193	13,271	2,091
1981	23,379	5,798	4,894	904	227	14,770	2,583
1982	23,984	6,008	4,840	1,168	256	15,132	2,588
1983	29,148	7,613	5,347	2,267	296	18,516	2,723
1984	38,669	10,148	6,487	3,661	341	24,641	3,539
1985	43,501	11,145	7,348	3,797	362	28,248	3,746
1986	44,300	10,720	7,660	3,059	386	28,795	4,400
1987	43,268	10,885	8,003	2,883	401	28,042	3,940
1988	52,613	13,024	8,912	4,112	397	34,756	4,436
1989	55,536	14,734	9,529	5,205	431	35,522	4,849
1990	52,765	13,670	9,410	4,260	409	34,175	4,511
1991	49,901	12,771	9,218	3,553	414	32,524	4,192
1992	54,086	13,664	9,866	3,798	428	35,503	4,491
1993	65,591	15,537	10,417	5,120	482	43,677	5,895
1994	77,796	19,159	11,306	7,853	559	51,803	6,275
1995	87,874	21,682	12,253	9,429	561	58,618	7,012
1996	90,007	21,589	12,438	9,150	579	59,663	8,177
1997	96,282	22,167	12,970	9,198	576	64,830	8,708
1998	104,022	24,386	13,706	10,679	624	69,514	9,498
1999	130,721	33,936	14,818	19,118	675	84,357	11,753
2000	136,321	33,240	15,026	18,214	802	87,039	15,240
2001	129,609	30,414	15,216	15,198	791	82,257	16,148
2002	132,169	32,007	15,195	16,812	734	83,870	15,558
2003	123,577	30,032	15,153	14,878	785	77,630	15,131

**Table 1-30**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Furniture and related product manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	338	149	120	29	4	162	23
1962	364	158	130	29	4	177	24
1963	400	175	139	36	4	194	26
1964	445	191	154	37	4	220	29
1965	498	216	172	44	5	244	33
1966	568	252	199	52	5	274	38
1967	604	271	211	60	6	286	41
1968	626	281	221	60	6	294	45
1969	693	316	243	74	7	320	49
1970	688	308	245	63	6	321	52
1971	748	329	264	66	7	357	55
1972	922	409	313	96	8	443	62
1973	1,086	479	352	127	9	528	70
1974	1,293	551	423	128	11	651	79
1975	1,309	588	465	123	13	621	86
1976	1,474	649	524	125	16	711	99
1977	1,462	644	521	123	17	695	106
1978	1,663	731	572	159	19	790	123
1979	1,963	846	664	183	21	958	137
1980	2,192	950	730	220	26	1,058	158
1981	3,450	1,522	1,084	438	41	1,647	241
1982	2,952	1,230	1,001	230	44	1,427	250
1983	3,376	1,420	1,078	342	49	1,616	292
1984	3,716	1,583	1,151	432	53	1,767	313
1985	4,212	1,843	1,308	535	60	1,955	354
1986	5,029	2,109	1,520	588	61	2,433	426
1987	5,620	2,335	1,709	626	70	2,756	460
1988	5,993	2,479	1,881	598	79	2,936	498
1989	6,440	2,710	2,026	684	85	3,120	526
1990	6,200	2,767	2,045	722	86	2,833	513
1991	5,176	2,213	1,809	404	85	2,418	461
1992	5,068	2,221	1,701	520	77	2,325	445
1993	5,311	2,314	1,733	581	82	2,481	434
1994	5,944	2,596	1,835	761	85	2,785	479
1995	6,469	2,862	1,966	895	85	3,014	508
1996	7,172	3,112	2,128	984	90	3,386	584
1997	8,055	3,466	2,275	1,191	89	3,836	665
1998	9,214	4,083	2,635	1,448	102	4,292	737
1999	10,214	4,616	2,968	1,647	116	4,622	861
2000	13,565	5,641	3,476	2,166	139	6,708	1,077
2001	14,094	6,062	3,629	2,434	148	6,668	1,215
2002	14,272	6,098	3,894	2,204	146	6,797	1,231
2003	13,856	5,895	3,948	1,947	173	6,555	1,234

**Table 1-31**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Miscellaneous manufacturing**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	356	159	129	30	4	157	37
1962	390	173	136	38	4	176	36
1963	416	184	144	40	4	189	38
1964	442	202	155	47	4	198	38
1965	478	213	166	47	4	220	40
1966	523	239	183	56	5	235	44
1967	550	249	191	58	5	250	47
1968	604	274	204	70	5	271	52
1969	669	307	229	78	6	297	59
1970	686	320	239	82	6	300	60
1971	710	344	245	99	6	295	64
1972	813	384	274	110	10	347	72
1973	970	437	310	127	8	443	83
1974	1,224	513	370	143	10	606	95
1975	1,307	591	408	184	11	601	104
1976	1,460	677	457	220	15	647	121
1977	1,524	685	469	216	16	694	128
1978	1,827	746	514	231	18	918	145
1979	2,169	831	581	250	20	1,155	164
1980	2,930	944	628	316	23	1,777	186
1981	3,116	1,081	734	348	26	1,762	246
1982	2,637	1,066	738	328	30	1,290	251
1983	2,882	1,079	758	321	33	1,502	267
1984	3,616	1,310	854	456	41	1,958	307
1985	3,696	1,409	906	503	40	1,922	325
1986	4,321	1,248	946	302	40	2,680	352
1987	4,006	1,343	978	364	41	2,277	346
1988	4,278	1,628	1,156	472	46	2,220	384
1989	4,458	1,748	1,287	461	49	2,286	374
1990	4,162	1,716	1,310	405	52	2,043	350
1991	3,927	1,651	1,262	390	59	1,868	348
1992	3,878	1,607	1,185	422	47	1,872	352
1993	4,246	1,630	1,187	443	44	2,244	327
1994	4,338	1,887	1,236	651	47	2,043	362
1995	4,484	1,944	1,272	672	46	2,098	396
1996	4,889	2,190	1,380	810	49	2,216	433
1997	5,984	2,550	1,547	1,003	56	2,826	553
1998	6,275	2,720	1,655	1,065	59	2,945	552
1999	6,502	2,850	1,876	973	62	2,971	619
2000	7,913	3,375	2,199	1,176	78	3,693	766
2001	8,068	3,396	2,179	1,217	84	3,728	861
2002	9,269	3,840	2,348	1,492	84	4,416	929
2003	9,453	4,118	2,452	1,666	104	4,261	969

**Table 1-32**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Wholesale trade**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	2,558	1,747	1,194	552	98	223	489
1962	2,743	1,870	1,308	562	100	242	531
1963	2,949	1,977	1,382	595	103	298	571
1964	3,304	2,229	1,516	714	121	313	641
1965	3,564	2,358	1,644	714	128	366	711
1966	3,986	2,716	1,848	868	136	329	804
1967	4,232	2,891	1,994	897	136	353	852
1968	4,433	3,015	2,144	871	137	356	925
1969	4,984	3,431	2,444	987	146	389	1,018
1970	5,432	3,817	2,686	1,131	148	345	1,121
1971	6,007	4,194	2,963	1,231	160	413	1,241
1972	6,812	4,807	3,366	1,441	168	428	1,409
1973	7,798	5,524	3,921	1,603	184	484	1,606
1974	9,418	6,710	4,720	1,990	245	655	1,809
1975	10,976	7,795	5,653	2,142	300	774	2,107
1976	12,492	8,809	6,457	2,352	340	894	2,450
1977	12,710	8,742	6,809	1,933	395	910	2,664
1978	14,072	9,521	7,512	2,009	456	1,089	3,006
1979	16,742	11,543	8,568	2,975	521	1,240	3,438
1980	19,284	13,215	9,760	3,456	647	1,506	3,916
1981	21,793	14,750	10,697	4,053	992	1,369	4,682
1982	22,444	14,939	11,470	3,469	1,152	1,281	5,072
1983	24,670	16,889	12,333	4,556	1,216	1,415	5,150
1984	27,406	18,720	13,421	5,299	1,246	1,686	5,754
1985	30,235	20,756	14,637	6,119	1,290	1,740	6,449
1986	34,402	23,534	16,266	7,268	1,135	2,059	7,674
1987	37,733	25,940	18,588	7,352	1,250	2,050	8,493
1988	42,330	29,404	21,152	8,252	1,326	2,217	9,384
1989	45,861	31,926	23,085	8,841	1,446	2,312	10,178
1990	47,934	32,501	23,931	8,570	1,638	2,355	11,441
1991	47,112	31,675	23,792	7,883	1,686	2,056	11,695
1992	46,730	30,978	24,024	6,954	1,684	1,931	12,137
1993	48,885	31,797	24,112	7,685	1,783	2,279	13,026
1994	53,613	34,525	24,777	9,748	1,951	2,519	14,618
1995	58,841	37,604	26,887	10,718	2,089	2,822	16,326
1996	63,179	39,289	28,206	11,082	2,430	3,554	17,907
1997	70,022	43,691	30,122	13,569	2,391	4,004	19,936
1998	73,923	45,447	31,536	13,911	2,390	4,335	21,750
1999	78,287	48,257	33,299	14,958	2,940	3,639	23,451
2000	86,597	50,931	35,583	15,348	3,896	3,761	28,008
2001	91,836	53,351	37,318	16,032	3,823	3,908	30,754
2002	95,415	55,216	38,178	17,037	3,648	3,336	33,215
2003	100,727	58,654	39,032	19,621	3,961	3,363	34,749

**Table 1-33**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Retail trade**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	3,757	2,586	1,787	799	128	320	724
1962	3,982	2,678	1,905	773	142	372	790
1963	4,241	2,881	2,020	861	150	370	840
1964	4,570	3,086	2,208	878	161	411	912
1965	4,908	3,305	2,442	863	173	406	1,025
1966	5,407	3,709	2,669	1,041	184	411	1,102
1967	5,854	3,972	2,930	1,042	191	464	1,227
1968	6,302	4,434	3,188	1,246	202	406	1,260
1969	6,903	4,696	3,625	1,071	217	558	1,432
1970	7,486	5,279	3,908	1,371	230	442	1,535
1971	7,991	5,707	4,307	1,400	246	479	1,558
1972	8,994	6,426	4,881	1,546	275	539	1,753
1973	10,072	7,099	5,442	1,657	317	646	2,010
1974	11,740	8,351	6,516	1,835	378	730	2,280
1975	13,925	10,076	7,526	2,550	458	805	2,587
1976	15,716	11,360	8,560	2,800	520	872	2,964
1977	16,918	11,667	9,347	2,320	630	1,191	3,429
1978	18,554	12,779	9,773	3,006	707	1,184	3,883
1979	20,911	14,574	11,137	3,436	795	1,238	4,303
1980	23,884	16,392	12,369	4,023	1,026	1,595	4,871
1981	26,727	18,472	14,489	3,983	1,090	1,393	5,772
1982	28,186	19,235	15,107	4,128	1,355	1,367	6,230
1983	30,234	20,588	15,651	4,938	1,479	1,468	6,698
1984	33,863	23,369	17,929	5,440	1,558	1,640	7,295
1985	37,091	25,511	19,602	5,908	1,718	1,766	8,096
1986	39,983	27,388	21,396	5,992	1,618	1,832	9,145
1987	43,648	30,279	23,282	6,996	1,741	1,916	9,712
1988	47,314	32,647	25,246	7,400	1,795	1,909	10,964
1989	50,592	34,529	26,987	7,542	1,915	2,002	12,146
1990	53,016	35,549	27,727	7,822	2,151	2,125	13,192
1991	52,261	34,947	27,953	6,994	2,240	1,919	13,155
1992	52,064	34,285	27,845	6,440	2,316	1,914	13,549
1993	53,773	34,921	27,904	7,017	2,365	2,074	14,412
1994	56,320	36,229	28,557	7,672	2,500	2,296	15,296
1995	58,282	36,943	28,900	8,044	2,597	2,498	16,244
1996	60,610	37,500	29,476	8,024	2,782	2,615	17,714
1997	67,082	42,222	32,852	9,370	2,838	2,800	19,222
1998	71,443	45,561	35,577	9,984	2,682	2,937	20,264
1999	76,418	47,815	36,642	11,173	3,055	2,693	22,856
2000	83,647	51,311	38,918	12,393	3,678	2,627	26,031
2001	89,540	54,427	40,787	13,640	3,489	2,604	29,020
2002	94,631	58,438	42,860	15,578	3,616	2,734	29,843
2003	99,827	62,712	45,315	17,397	3,862	2,669	30,584

Table 1-34

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Air, rail, water and scenic and sightseeing transportation and support activities for transportation

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	2,154	1,394	932	462	126	144	490
1962	2,196	1,405	940	465	128	166	497
1963	2,287	1,474	968	506	133	184	496
1964	2,545	1,619	1,033	586	145	203	578
1965	2,727	1,734	1,122	612	152	224	616
1966	2,967	1,867	1,201	666	162	268	669
1967	3,143	1,929	1,309	620	169	276	769
1968	3,329	2,050	1,375	675	186	247	846
1969	3,485	2,148	1,480	668	209	250	878
1970	3,864	2,388	1,602	786	226	228	1,021
1971	4,212	2,508	1,714	793	268	315	1,121
1972	4,618	2,722	1,881	841	298	331	1,268
1973	5,147	2,933	2,074	859	354	387	1,472
1974	6,520	3,499	2,447	1,052	607	532	1,882
1975	7,291	3,880	2,747	1,133	728	562	2,121
1976	7,931	4,214	3,014	1,200	787	631	2,299
1977	8,914	4,831	3,453	1,378	881	658	2,543
1978	9,749	5,229	3,639	1,590	1,031	696	2,794
1979	11,650	6,097	4,194	1,903	1,270	794	3,489
1980	13,499	6,809	4,662	2,147	1,707	982	4,002
1981	15,780	7,686	5,342	2,343	2,319	1,106	4,670
1982	15,655	7,325	5,491	1,835	2,273	1,184	4,873
1983	16,592	8,035	5,397	2,638	2,315	1,138	5,105
1984	18,064	9,056	6,004	3,052	2,433	1,072	5,502
1985	19,062	9,418	6,293	3,124	2,602	1,149	5,893
1986	19,396	9,558	6,427	3,130	2,233	1,266	6,340
1987	20,507	10,203	6,479	3,724	2,257	1,359	6,689
1988	21,655	10,707	7,079	3,628	2,297	1,530	7,121
1989	22,743	10,727	7,576	3,151	2,394	1,596	8,026
1990	22,845	10,472	7,927	2,545	2,628	1,708	8,036
1991	22,366	10,710	8,089	2,620	2,366	1,414	7,876
1992	22,136	10,241	8,127	2,114	2,160	1,611	8,125
1993	22,502	10,641	8,165	2,476	2,118	1,581	8,162
1994	24,166	11,579	8,082	3,497	2,293	1,696	8,598
1995	25,575	11,340	8,559	2,781	2,515	1,981	9,739
1996	26,924	11,550	8,490	3,059	2,853	2,027	10,494
1997	29,819	13,707	9,170	4,537	2,868	2,848	10,397
1998	31,194	14,119	9,730	4,389	2,581	2,991	11,503
1999	33,048	15,099	10,443	4,656	2,698	3,064	12,188
2000	35,347	15,814	11,090	4,725	3,622	3,084	12,826
2001	35,258	15,910	11,292	4,618	3,434	2,904	13,010
2002	36,364	16,475	11,662	4,812	3,279	3,107	13,504
2003	36,370	16,642	11,960	4,682	3,391	3,075	13,261

**Table 1-35**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Truck transportation**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	837	461	285	176	123	88	164
1962	899	493	320	173	132	99	176
1963	1,022	569	379	190	149	106	198
1964	1,121	622	424	198	161	116	222
1965	1,302	732	500	232	173	133	264
1966	1,406	790	546	244	179	151	286
1967	1,574	874	605	269	191	183	326
1968	1,722	971	670	302	200	192	359
1969	1,986	1,128	783	345	208	216	435
1970	2,037	1,184	800	384	203	192	458
1971	2,229	1,222	838	384	222	261	524
1972	2,601	1,426	962	464	252	284	639
1973	2,954	1,634	1,111	523	312	321	688
1974	3,332	1,856	1,336	519	391	366	719
1975	3,522	2,060	1,533	527	423	335	705
1976	3,944	2,334	1,744	590	459	362	789
1977	4,548	2,495	1,877	618	526	404	1,124
1978	5,539	2,928	2,228	700	601	511	1,500
1979	6,703	3,520	2,520	1,001	747	628	1,808
1980	7,501	3,865	2,786	1,079	851	709	2,076
1981	8,041	4,048	3,238	809	934	808	2,252
1982	7,971	3,927	3,092	835	1,024	742	2,279
1983	8,277	4,077	3,227	850	1,065	738	2,397
1984	9,854	4,888	3,625	1,263	1,302	837	2,827
1985	11,624	5,748	3,979	1,769	1,574	959	3,342
1986	12,444	6,167	4,054	2,113	1,636	1,026	3,615
1987	13,512	6,646	4,363	2,284	1,701	1,074	4,090
1988	14,208	6,977	4,527	2,450	1,763	1,124	4,344
1989	15,292	7,407	4,759	2,648	1,893	1,181	4,811
1990	15,050	7,294	4,570	2,724	2,026	1,087	4,642
1991	13,881	6,798	4,474	2,324	1,865	950	4,268
1992	14,567	7,015	4,545	2,470	2,029	1,067	4,456
1993	15,761	7,627	4,766	2,861	2,193	1,134	4,807
1994	17,690	8,813	5,677	3,136	2,441	1,233	5,203
1995	19,371	9,769	6,526	3,243	2,745	1,449	5,408
1996	19,912	9,484	6,260	3,223	2,969	1,711	5,749
1997	21,979	10,260	6,821	3,440	3,054	1,510	7,155
1998	22,371	11,368	7,858	3,510	2,733	1,207	7,063
1999	23,780	11,572	8,115	3,457	3,326	1,287	7,595
2000	26,625	12,201	8,476	3,724	4,417	1,465	8,543
2001	28,570	13,654	9,293	4,360	4,714	1,357	8,845
2002	28,080	13,756	9,216	4,540	4,402	1,289	8,633
2003	28,865	14,174	9,345	4,829	4,535	1,254	8,902

**Table 1-36**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Transit and ground passenger transportation**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	368	266	174	92	49	26	28
1962	388	279	177	101	52	28	30
1963	411	290	188	102	56	32	32
1964	435	306	196	110	59	34	36
1965	480	340	215	124	61	40	39
1966	529	376	244	131	66	41	46
1967	607	432	277	155	72	41	62
1968	640	449	305	144	77	45	69
1969	713	506	331	175	84	45	78
1970	771	553	354	199	85	45	88
1971	833	576	382	194	104	60	93
1972	898	609	432	176	114	66	110
1973	998	649	489	160	134	84	131
1974	1,106	687	573	114	165	104	150
1975	1,289	784	684	100	190	122	193
1976	1,486	894	816	78	218	136	237
1977	1,693	1,030	922	107	255	130	279
1978	1,900	1,167	1,041	126	284	133	316
1979	2,044	1,210	1,052	159	306	158	369
1980	2,422	1,448	1,185	263	355	188	431
1981	2,702	1,709	1,479	230	390	190	414
1982	3,117	1,976	1,646	330	471	226	444
1983	3,396	2,172	1,749	424	473	246	504
1984	3,565	2,306	1,836	470	475	232	553
1985	3,912	2,532	2,000	532	529	230	620
1986	4,289	2,768	2,147	622	507	273	741
1987	4,586	2,944	2,217	727	519	325	798
1988	4,885	3,088	2,353	735	542	346	908
1989	5,358	3,361	2,396	965	557	418	1,023
1990	5,891	3,537	2,712	825	673	466	1,216
1991	6,018	3,588	2,772	816	671	496	1,264
1992	6,204	3,875	3,048	827	670	447	1,212
1993	6,273	3,872	3,088	784	695	441	1,264
1994	6,623	4,152	3,236	916	710	432	1,327
1995	6,543	4,190	3,148	1,043	673	411	1,269
1996	6,550	4,422	3,242	1,181	538	396	1,193
1997	6,566	4,464	3,227	1,238	467	448	1,186
1998	6,473	4,296	3,123	1,173	484	436	1,257
1999	6,515	4,371	3,327	1,043	499	420	1,226
2000	6,850	4,526	3,594	932	620	431	1,273
2001	7,232	4,565	3,723	842	642	524	1,500
2002	7,729	4,975	4,128	846	657	533	1,564
2003	8,160	5,254	4,383	870	712	552	1,643

**Table 1-37**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Pipeline transportation**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	189	162	13	149	9	5	13
1962	226	198	15	183	10	5	14
1963	240	210	15	195	11	5	14
1964	263	229	16	213	12	7	16
1965	275	237	17	220	13	8	17
1966	294	254	22	233	16	6	17
1967	324	277	27	250	19	3	25
1968	341	287	28	259	20	3	31
1969	385	328	32	296	22	2	33
1970	435	371	34	338	24	2	39
1971	493	408	37	371	33	14	38
1972	576	477	43	434	40	14	44
1973	671	553	49	505	51	10	56
1974	722	608	60	548	48	4	62
1975	777	644	68	576	57	11	65
1976	865	690	72	617	78	22	75
1977	987	767	87	680	110	28	83
1978	1,158	932	103	829	117	18	91
1979	1,394	1,092	126	966	161	32	109
1980	1,453	1,128	160	969	173	25	127
1981	1,795	1,408	223	1,185	201	34	153
1982	2,248	1,784	242	1,542	252	33	179
1983	2,420	1,992	288	1,704	232	38	158
1984	2,619	2,114	291	1,823	271	45	189
1985	2,746	2,195	301	1,893	314	44	193
1986	2,833	2,295	312	1,983	270	44	225
1987	2,876	2,316	318	1,998	258	48	254
1988	2,626	2,099	323	1,776	178	49	301
1989	2,842	2,288	306	1,982	158	38	358
1990	2,981	2,334	374	1,960	163	48	435
1991	3,367	2,711	396	2,315	166	49	442
1992	3,700	2,996	455	2,540	169	51	484
1993	3,713	3,073	463	2,610	183	52	405
1994	3,960	3,330	554	2,776	193	52	386
1995	4,530	3,797	633	3,164	193	89	452
1996	4,775	3,910	620	3,290	196	98	570
1997	4,876	3,837	630	3,207	199	115	725
1998	5,050	4,023	631	3,392	192	120	715
1999	5,630	4,380	710	3,670	200	216	833
2000	6,032	4,590	649	3,941	239	223	980
2001	6,695	5,283	633	4,650	215	162	1,036
2002	6,805	5,371	646	4,725	231	141	1,062
2003	6,880	5,548	663	4,885	239	48	1,046

Table 1-38

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Postal service and couriers and messengers

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	214	136	122	14	1	6	71
1962	221	142	128	14	1	6	72
1963	241	159	142	17	1	6	76
1964	260	176	174	2	1	5	79
1965	289	196	196	1	1	8	84
1966	312	216	186	30	1	9	85
1967	353	246	217	29	2	9	96
1968	398	283	261	23	2	9	104
1969	427	302	275	28	2	11	110
1970	456	322	289	33	2	18	114
1971	482	340	309	31	3	20	118
1972	549	411	373	38	3	20	115
1973	640	489	444	45	4	20	127
1974	800	620	550	70	6	23	152
1975	929	729	657	72	5	32	163
1976	1,250	1,030	952	78	8	25	187
1977	1,291	1,035	953	82	12	25	219
1978	1,446	1,154	1,060	94	15	25	250
1979	1,635	1,330	1,301	28	15	24	266
1980	1,803	1,432	1,300	132	17	48	306
1981	2,587	1,827	1,801	26	36	54	670
1982	2,972	2,040	1,881	159	44	66	822
1983	3,512	2,430	2,264	166	53	86	944
1984	3,773	2,553	2,458	95	62	97	1,060
1985	4,004	2,713	2,606	107	69	107	1,115
1986	4,284	2,844	2,745	98	75	122	1,244
1987	4,576	2,994	2,806	188	77	132	1,373
1988	5,084	3,337	2,951	386	88	147	1,512
1989	5,371	3,401	3,017	384	107	164	1,699
1990	5,678	3,542	3,209	333	130	185	1,822
1991	5,934	3,630	3,451	179	144	190	1,969
1992	6,158	3,775	3,404	371	154	193	2,036
1993	6,086	3,550	3,330	220	161	211	2,164
1994	6,478	3,756	3,518	239	172	211	2,339
1995	7,095	4,238	3,748	490	174	222	2,460
1996	7,545	4,700	3,945	755	210	188	2,448
1997	7,526	4,698	4,022	675	197	321	2,310
1998	7,930	4,769	4,098	670	209	379	2,573
1999	8,510	5,081	4,413	668	247	304	2,878
2000	9,020	5,382	4,686	696	319	309	3,011
2001	9,420	5,486	4,821	666	324	327	3,283
2002	9,786	5,556	4,942	614	348	362	3,520
2003	10,139	5,876	5,232	644	356	336	3,572

**Table 1-39**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Warehousing and storage**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	165	114	62	52	6	11	34
1962	164	115	64	51	6	10	33
1963	178	129	70	58	6	9	33
1964	195	144	77	67	7	10	35
1965	209	149	83	66	7	15	38
1966	228	167	89	78	8	13	41
1967	246	184	98	86	8	11	43
1968	254	188	114	74	8	12	46
1969	258	192	118	74	8	13	45
1970	268	200	122	78	8	12	48
1971	284	208	136	73	8	17	49
1972	303	225	150	76	9	16	54
1973	310	229	150	79	9	16	55
1974	356	262	171	91	10	19	65
1975	408	299	202	96	13	23	74
1976	435	314	211	103	14	21	86
1977	486	356	240	116	16	21	93
1978	544	400	259	141	17	24	104
1979	624	454	268	186	20	30	119
1980	717	527	299	227	26	38	126
1981	841	591	364	227	46	54	150
1982	958	682	393	289	52	55	170
1983	984	692	427	265	56	55	181
1984	1,077	694	448	246	77	70	236
1985	1,119	767	490	277	65	63	224
1986	1,145	780	523	257	49	64	252
1987	1,195	804	540	263	50	68	273
1988	1,116	723	556	167	49	78	267
1989	1,182	768	585	183	52	84	279
1990	1,312	875	617	258	56	85	296
1991	1,294	866	603	262	60	70	299
1992	1,278	823	593	230	58	79	318
1993	1,311	812	621	190	66	93	341
1994	1,421	898	674	224	67	92	364
1995	1,564	1,040	748	291	67	81	377
1996	1,616	1,067	773	294	62	88	400
1997	1,771	1,158	839	319	73	100	440
1998	1,796	1,169	884	285	66	106	455
1999	1,866	1,276	1,018	257	63	78	448
2000	2,120	1,383	1,034	349	72	196	470
2001	2,252	1,473	1,108	364	59	184	536
2002	2,350	1,541	1,175	366	64	198	547
2003	2,578	1,637	1,247	390	76	210	656

Table 1-40

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Motion picture and sound recording industries

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
	millions of dollars						
1961	130	52	32	20	1	21	56
1962	130	52	31	20	1	23	55
1963	139	56	32	24	1	22	59
1964	148	60	34	25	1	22	64
1965	164	67	38	29	1	20	75
1966	184	80	43	37	1	16	86
1967	206	90	48	42	2	21	94
1968	229	101	54	47	2	27	99
1969	234	102	55	47	2	28	102
1970	268	120	65	55	2	33	113
1971	278	124	70	54	2	34	116
1972	292	131	73	58	3	29	130
1973	317	141	78	64	3	26	147
1974	373	163	89	74	3	27	179
1975	445	187	105	82	4	30	224
1976	479	202	111	91	5	39	234
1977	500	204	113	91	6	35	256
1978	579	227	124	104	7	41	304
1979	659	264	149	114	8	45	342
1980	766	292	169	124	9	61	403
1981	1,160	395	232	163	22	188	555
1982	1,210	382	239	143	24	191	613
1983	1,203	408	250	158	24	163	607
1984	1,392	431	289	142	29	194	738
1985	1,584	481	293	188	32	217	854
1986	1,670	490	282	207	36	229	916
1987	2,030	606	310	296	39	287	1,099
1988	2,262	694	336	358	43	303	1,223
1989	2,567	806	369	437	49	354	1,358
1990	2,776	841	405	436	57	412	1,466
1991	2,775	923	426	496	64	338	1,450
1992	2,882	928	415	513	66	424	1,465
1993	3,427	1,118	495	623	75	449	1,784
1994	3,650	1,176	510	667	83	501	1,890
1995	4,004	1,267	558	710	88	486	2,162
1996	4,298	1,355	593	762	99	541	2,304
1997	5,168	1,654	704	951	116	791	2,606
1998	5,877	2,087	872	1,215	122	826	2,842
1999	6,452	2,313	947	1,366	134	900	3,104
2000	7,021	2,473	1,009	1,464	149	1,024	3,375
2001	6,872	2,537	1,083	1,454	131	991	3,213
2002	7,510	2,831	1,200	1,631	136	1,014	3,529
2003	7,456	2,723	1,179	1,544	135	1,089	3,508

**Table 1-41**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Broadcasting and telecommunications**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	869	716	328	387	6	55	92
1962	953	778	353	426	6	66	103
1963	1,036	850	377	473	7	65	114
1964	1,132	938	401	536	8	63	123
1965	1,253	1,038	434	604	9	68	138
1966	1,397	1,148	490	657	10	83	157
1967	1,553	1,291	546	745	10	82	170
1968	1,695	1,409	586	823	12	84	190
1969	1,878	1,540	640	900	15	124	199
1970	2,067	1,722	693	1,029	17	116	212
1971	2,266	1,880	782	1,098	20	130	236
1972	2,560	2,124	884	1,240	21	143	271
1973	2,956	2,456	1,052	1,404	24	149	328
1974	3,415	2,814	1,256	1,558	32	171	397
1975	4,009	3,304	1,452	1,852	38	222	445
1976	4,670	3,852	1,712	2,140	46	238	533
1977	5,368	4,425	1,996	2,430	58	253	632
1978	6,222	5,103	2,226	2,877	68	295	757
1979	7,154	5,846	2,574	3,272	81	354	873
1980	8,108	6,620	2,939	3,681	97	377	1,014
1981	9,528	7,555	3,427	4,128	102	682	1,190
1982	10,639	8,482	3,870	4,611	116	712	1,329
1983	11,552	9,199	4,050	5,150	127	758	1,468
1984	12,689	9,988	4,278	5,710	155	907	1,639
1985	13,630	10,576	4,413	6,163	176	1,005	1,872
1986	14,586	11,185	4,638	6,546	156	1,109	2,137
1987	15,558	11,749	4,932	6,816	161	1,281	2,366
1988	16,710	12,276	5,293	6,983	179	1,546	2,709
1989	18,074	13,289	5,682	7,607	182	1,648	2,954
1990	19,469	14,190	6,001	8,189	195	1,740	3,344
1991	20,151	15,128	6,440	8,688	173	1,510	3,341
1992	20,958	15,957	6,694	9,263	154	1,421	3,426
1993	21,763	16,036	6,795	9,241	198	1,748	3,782
1994	22,687	16,588	6,734	9,854	226	2,002	3,871
1995	24,021	17,031	6,969	10,062	288	2,455	4,247
1996	25,363	17,633	6,852	10,780	320	2,700	4,710
1997	27,088	17,552	6,877	10,676	224	3,238	6,074
1998	28,727	18,504	7,564	10,940	229	3,242	6,753
1999	29,945	19,376	8,172	11,203	210	2,928	7,431
2000	33,072	20,693	9,097	11,596	249	3,372	8,757
2001	35,311	21,967	9,476	12,491	244	3,590	9,511
2002	37,477	23,255	9,617	13,638	253	3,806	10,163
2003	38,942	24,497	9,724	14,773	253	3,789	10,404

Table 1-42

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Publishing industries, information services and data processing services

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	432	255	180	74	3	120	55
1962	440	266	180	86	3	114	56
1963	450	272	185	87	3	118	57
1964	475	288	192	96	3	123	60
1965	526	320	214	106	3	135	68
1966	587	350	243	106	3	157	77
1967	642	385	258	127	3	174	80
1968	679	407	279	128	4	180	88
1969	741	442	301	141	4	199	96
1970	764	454	316	138	4	208	99
1971	912	552	365	187	4	231	125
1972	1,053	643	410	233	5	262	143
1973	1,252	773	467	306	6	310	163
1974	1,459	891	548	344	7	373	188
1975	1,644	992	608	384	9	415	227
1976	1,854	1,121	683	438	11	463	259
1977	2,044	1,226	752	474	13	511	294
1978	2,348	1,403	849	554	14	596	334
1979	2,634	1,569	946	623	16	671	377
1980	3,160	1,876	1,121	755	18	829	436
1981	3,596	2,097	1,208	888	20	741	739
1982	3,932	2,288	1,356	931	24	755	866
1983	4,223	2,531	1,445	1,086	25	727	941
1984	4,694	2,866	1,579	1,288	25	781	1,021
1985	5,102	3,073	1,715	1,358	27	844	1,158
1986	5,538	3,380	1,953	1,427	29	860	1,269
1987	6,127	3,786	2,135	1,651	30	947	1,364
1988	6,902	4,278	2,456	1,823	31	1,048	1,544
1989	7,589	4,676	2,808	1,868	35	1,126	1,752
1990	7,778	4,895	2,931	1,964	37	1,010	1,836
1991	7,607	4,846	3,014	1,831	39	914	1,808
1992	7,624	4,922	3,159	1,763	43	853	1,806
1993	8,097	5,100	3,344	1,756	46	944	2,007
1994	8,837	5,432	3,463	1,969	52	1,036	2,318
1995	9,307	5,680	3,534	2,145	46	1,245	2,336
1996	9,926	6,074	3,810	2,264	45	1,266	2,540
1997	11,232	6,879	4,226	2,652	37	1,120	3,197
1998	14,383	7,676	5,038	2,638	91	2,087	4,529
1999	16,314	8,631	6,144	2,486	66	2,318	5,299
2000	17,495	8,984	6,887	2,097	71	2,556	5,883
2001	19,034	9,700	7,200	2,500	71	2,408	6,854
2002	19,016	10,230	7,355	2,875	89	1,972	6,724
2003	20,282	10,649	7,682	2,968	89	2,077	7,467

Table 1-43

Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Finance, real estate and company management

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	4,583	3,290	1,166	2,124	70	217	1,006
1962	4,856	3,368	1,256	2,112	73	357	1,057
1963	5,124	3,601	1,345	2,255	82	299	1,142
1964	5,678	4,054	1,487	2,567	87	291	1,247
1965	6,293	4,418	1,682	2,736	100	378	1,397
1966	6,968	5,016	1,832	3,184	119	290	1,543
1967	7,642	5,442	1,967	3,475	136	355	1,708
1968	8,547	6,183	2,212	3,971	162	291	1,911
1969	9,561	6,746	2,522	4,224	191	466	2,158
1970	10,402	7,580	2,673	4,908	219	245	2,358
1971	11,612	8,262	2,945	5,317	250	320	2,780
1972	13,140	9,187	3,506	5,680	282	460	3,211
1973	15,106	10,300	4,273	6,028	320	657	3,829
1974	17,396	11,693	5,181	6,512	370	674	4,660
1975	20,464	13,921	5,997	7,924	439	766	5,338
1976	23,879	16,167	6,832	9,335	551	854	6,307
1977	27,716	18,710	7,944	10,766	676	927	7,403
1978	31,368	20,998	8,950	12,048	810	1,115	8,445
1979	34,778	22,687	10,466	12,220	969	1,564	9,558
1980	39,582	25,931	12,184	13,747	1,091	1,362	11,198
1981	47,807	30,722	13,951	16,771	1,545	1,490	14,049
1982	51,273	32,759	14,902	17,857	1,756	1,858	14,900
1983	58,079	37,166	15,527	21,639	2,055	2,251	16,606
1984	60,848	37,444	16,947	20,497	2,152	2,888	18,364
1985	67,204	41,433	18,755	22,678	2,302	3,366	20,104
1986	76,957	47,111	20,370	26,741	2,371	3,690	23,785
1987	85,427	52,388	23,310	29,078	2,537	4,012	26,491
1988	93,145	57,180	26,047	31,134	2,868	3,878	29,219
1989	100,185	60,875	27,969	32,906	3,123	3,867	32,320
1990	103,747	63,841	29,171	34,671	3,333	3,608	32,965
1991	108,035	67,742	31,013	36,729	3,372	2,903	34,018
1992	112,741	69,222	31,755	37,466	3,572	4,473	35,475
1993	119,885	72,470	32,829	39,641	3,626	5,505	38,284
1994	126,844	76,104	33,258	42,846	3,846	5,843	41,051
1995	131,547	78,728	34,058	44,670	4,024	5,648	43,147
1996	144,951	83,831	36,680	47,151	4,020	7,326	49,775
1997	155,303	91,828	40,703	51,125	3,738	5,785	53,952
1998	165,208	95,887	42,168	53,719	3,834	7,147	58,340
1999	177,914	101,249	44,593	56,656	4,035	6,264	66,366
2000	190,856	108,272	50,175	58,098	4,809	5,559	72,216
2001	199,455	115,385	52,682	62,702	4,411	4,636	75,024
2002	207,543	119,387	54,417	64,970	5,081	4,697	78,377
2003	218,336	125,499	56,250	69,249	6,000	4,509	82,328

Table 1-44

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Professional, scientific and technical services

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	740	585	408	177	6	44	106
1962	783	611	440	171	6	53	112
1963	858	672	476	196	6	59	120
1964	960	752	537	215	6	70	131
1965	1,127	893	644	249	8	73	153
1966	1,292	1,043	788	254	8	61	180
1967	1,489	1,194	875	319	9	77	209
1968	1,645	1,311	960	351	9	91	233
1969	1,824	1,438	1,095	343	10	108	268
1970	2,075	1,614	1,213	401	11	111	339
1971	2,538	1,912	1,429	483	15	198	413
1972	2,884	2,173	1,634	539	17	224	471
1973	3,401	2,592	1,879	713	20	216	573
1974	4,169	3,198	2,361	838	25	266	680
1975	4,966	3,818	2,936	882	31	288	829
1976	5,675	4,395	3,309	1,086	40	294	946
1977	6,420	4,784	3,723	1,061	48	422	1,167
1978	7,211	5,255	4,193	1,062	55	523	1,378
1979	8,189	6,007	4,754	1,253	64	611	1,508
1980	9,847	7,291	5,889	1,402	76	638	1,842
1981	11,811	8,695	6,909	1,786	104	588	2,424
1982	13,538	9,986	8,009	1,977	122	706	2,723
1983	13,506	9,635	7,969	1,666	130	703	3,038
1984	14,968	10,831	8,841	1,990	139	690	3,308
1985	17,120	11,919	9,850	2,069	164	899	4,137
1986	19,296	13,264	10,708	2,556	155	995	4,882
1987	21,661	14,970	12,171	2,799	172	1,051	5,468
1988	25,254	17,550	14,208	3,343	195	1,176	6,332
1989	28,520	19,599	16,279	3,320	211	1,400	7,311
1990	30,280	20,853	17,499	3,354	224	1,507	7,697
1991	31,258	21,367	18,236	3,132	245	1,581	8,065
1992	31,896	21,397	18,268	3,128	257	1,717	8,525
1993	33,842	22,398	18,968	3,430	261	2,198	8,984
1994	36,557	24,010	20,144	3,866	281	2,543	9,723
1995	39,472	25,581	21,258	4,323	295	2,741	10,855
1996	42,432	27,209	22,622	4,586	314	2,996	11,913
1997	48,850	30,112	24,098	6,014	354	5,073	13,311
1998	56,062	34,471	28,116	6,355	396	6,286	14,909
1999	65,436	37,725	31,110	6,615	479	6,554	20,678
2000	76,039	43,566	36,593	6,973	647	7,667	24,158
2001	78,806	46,074	38,848	7,225	581	6,585	25,566
2002	80,774	48,200	39,853	8,348	593	6,169	25,812
2003	84,748	51,211	41,840	9,371	602	5,841	27,094

**Table 1-45**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Administrative and support services**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	204	138	69	69	3	29	33
1962	221	148	77	70	3	33	38
1963	250	165	92	73	3	38	43
1964	282	190	112	78	3	39	49
1965	336	238	145	93	4	39	56
1966	385	286	182	103	5	30	64
1967	454	342	227	115	6	31	75
1968	473	340	235	105	6	47	80
1969	565	399	268	131	7	61	98
1970	646	472	333	139	8	54	111
1971	771	557	398	159	10	75	128
1972	923	662	481	181	12	92	156
1973	1,112	820	612	207	14	96	182
1974	1,338	981	757	223	19	114	224
1975	1,619	1,177	921	256	25	127	290
1976	1,947	1,436	1,147	289	30	136	345
1977	2,282	1,642	1,311	332	41	161	438
1978	2,694	1,919	1,524	395	52	198	525
1979	3,202	2,205	1,760	444	66	278	654
1980	3,701	2,633	2,148	485	67	281	720
1981	4,322	3,200	2,610	590	65	170	888
1982	4,658	3,459	2,850	608	70	213	916
1983	4,874	3,596	2,952	644	75	210	992
1984	5,612	4,152	3,414	737	92	224	1,145
1985	6,556	4,904	4,053	852	96	248	1,308
1986	7,897	5,735	4,642	1,093	110	295	1,757
1987	8,809	6,515	5,287	1,228	131	289	1,874
1988	10,491	7,814	6,253	1,561	140	320	2,216
1989	12,172	8,825	6,984	1,841	151	422	2,774
1990	13,229	9,602	7,676	1,926	164	443	3,019
1991	13,364	9,699	7,964	1,735	179	456	3,031
1992	13,724	9,884	8,164	1,720	181	494	3,164
1993	14,240	10,456	8,486	1,971	173	458	3,152
1994	14,914	10,850	8,900	1,950	186	511	3,368
1995	17,070	11,991	9,696	2,295	223	710	4,145
1996	18,888	12,800	10,662	2,138	256	1,032	4,800
1997	20,799	13,940	10,878	3,062	278	1,589	4,992
1998	23,005	15,238	12,119	3,119	297	2,115	5,356
1999	27,150	17,227	14,001	3,226	458	2,614	6,851
2000	30,394	18,821	15,342	3,478	578	3,087	7,909
2001	32,961	20,689	16,543	4,146	589	3,099	8,584
2002	35,494	22,553	17,943	4,610	659	3,051	9,230
2003	37,140	24,052	19,102	4,950	690	2,940	9,459

Table 1-46

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Waste management and remediation services

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	43	20	14	7	8	3	12
1962	51	25	16	9	9	4	13
1963	54	23	15	8	12	4	15
1964	55	25	17	8	11	4	15
1965	62	30	19	12	11	5	15
1966	68	26	18	9	16	3	22
1967	80	41	23	18	15	7	17
1968	92	47	26	21	17	4	24
1969	107	49	32	17	21	8	29
1970	117	58	34	25	20	7	32
1971	136	62	40	21	20	10	44
1972	169	76	48	29	25	12	56
1973	182	82	51	31	31	8	61
1974	212	104	58	45	35	10	64
1975	247	122	67	55	46	21	58
1976	286	136	77	59	67	18	66
1977	333	156	88	68	78	20	79
1978	391	188	101	87	92	19	92
1979	486	221	122	99	105	53	107
1980	532	240	130	110	120	53	119
1981	600	254	144	110	129	89	128
1982	647	271	162	109	144	96	135
1983	715	317	180	137	157	93	148
1984	822	362	206	156	174	115	170
1985	947	413	234	179	232	124	179
1986	1,024	466	265	201	180	135	243
1987	1,165	568	341	227	188	110	300
1988	1,389	655	388	266	211	155	369
1989	1,435	651	390	261	287	74	423
1990	1,666	665	403	262	392	150	459
1991	1,819	670	466	204	483	161	504
1992	1,863	720	480	240	417	189	536
1993	1,912	875	571	304	349	144	545
1994	1,975	964	572	392	172	235	603
1995	2,098	1,142	658	484	139	244	574
1996	2,298	1,270	698	573	170	284	574
1997	2,407	1,385	694	691	172	269	580
1998	2,499	1,431	730	701	172	310	586
1999	2,626	1,490	758	732	144	292	700
2000	2,916	1,546	780	766	226	334	810
2001	3,126	1,818	875	943	247	192	869
2002	3,592	2,229	960	1,268	249	246	868
2003	3,800	2,474	1,025	1,450	264	102	960

**Table 1-47**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Educational services**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	x	x	x	x	x	x	x
1962	x	x	x	x	x	x	x
1963	x	x	x	x	x	x	x
1964	x	x	x	x	x	x	x
1965	x	x	x	x	x	x	x
1966	x	x	x	x	x	x	x
1967	x	x	x	x	x	x	x
1968	x	x	x	x	x	x	x
1969	x	x	x	x	x	x	x
1970	x	x	x	x	x	x	x
1971	x	x	x	x	x	x	x
1972	x	x	x	x	x	x	x
1973	x	x	x	x	x	x	x
1974	x	x	x	x	x	x	x
1975	x	x	x	x	x	x	x
1976	x	x	x	x	x	x	x
1977	x	x	x	x	x	x	x
1978	x	x	x	x	x	x	x
1979	x	x	x	x	x	x	x
1980	x	x	x	x	x	x	x
1981	x	x	x	x	x	x	x
1982	x	x	x	x	x	x	x
1983	x	x	x	x	x	x	x
1984	x	x	x	x	x	x	x
1985	x	x	x	x	x	x	x
1986	x	x	x	x	x	x	x
1987	x	x	x	x	x	x	x
1988	x	x	x	x	x	x	x
1989	x	x	x	x	x	x	x
1990	x	x	x	x	x	x	x
1991	x	x	x	x	x	x	x
1992	x	x	x	x	x	x	x
1993	x	x	x	x	x	x	x
1994	x	x	x	x	x	x	x
1995	x	x	x	x	x	x	x
1996	x	x	x	x	x	x	x
1997	x	x	x	x	x	x	x
1998	x	x	x	x	x	x	x
1999	x	x	x	x	x	x	x
2000	x	x	x	x	x	x	x
2001	x	x	x	x	x	x	x
2002	x	x	x	x	x	x	x
2003	x	x	x	x	x	x	x

**Table 1-48**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Health care and social assistance**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	630	444	368	76	8	82	96
1962	672	465	390	75	8	90	108
1963	748	520	416	104	9	100	118
1964	814	574	456	118	9	105	125
1965	893	636	512	123	10	116	132
1966	988	709	612	97	10	124	146
1967	1,113	816	673	143	11	132	155
1968	1,276	939	707	232	11	157	169
1969	1,460	1,081	849	232	13	178	188
1970	1,652	1,234	987	247	14	192	213
1971	1,832	1,432	1,058	374	15	162	225
1972	2,093	1,618	1,138	480	17	201	257
1973	2,350	1,802	1,152	650	19	234	295
1974	2,686	2,024	1,348	676	25	296	341
1975	3,173	2,429	1,641	788	36	297	410
1976	3,589	2,714	1,695	1,020	47	325	503
1977	4,156	3,064	2,012	1,053	60	435	598
1978	4,663	3,403	2,170	1,233	71	503	685
1979	5,283	3,854	2,427	1,427	85	585	759
1980	6,201	4,671	2,903	1,768	104	620	805
1981	7,449	5,985	3,590	2,396	158	450	856
1982	8,678	6,910	4,239	2,671	194	539	1,034
1983	9,735	7,787	4,725	3,062	220	588	1,140
1984	10,832	8,611	5,686	2,924	249	676	1,296
1985	11,996	9,338	6,562	2,776	289	832	1,538
1986	13,254	10,282	6,874	3,408	311	891	1,770
1987	14,706	11,297	7,523	3,774	343	1,022	2,043
1988	16,304	12,352	8,459	3,893	364	1,205	2,383
1989	17,723	13,592	8,886	4,706	376	1,226	2,529
1990	19,485	14,804	9,767	5,037	420	1,377	2,883
1991	21,545	16,284	10,795	5,489	452	1,652	3,158
1992	22,443	17,310	11,558	5,753	453	1,548	3,132
1993	22,772	17,552	12,136	5,416	456	1,634	3,131
1994	23,531	18,271	12,365	5,906	466	1,564	3,230
1995	23,662	18,501	12,245	6,256	483	1,394	3,283
1996	24,373	19,040	12,284	6,756	510	1,432	3,391
1997	27,474	20,211	12,522	7,689	637	2,296	4,331
1998	29,104	20,909	12,818	8,091	658	2,748	4,788
1999	30,854	22,207	13,754	8,453	711	2,772	5,164
2000	32,569	23,956	15,287	8,669	799	2,675	5,139
2001	34,762	25,740	15,890	9,849	707	2,824	5,492
2002	36,705	27,222	16,766	10,456	716	3,084	5,684
2003	38,634	28,719	17,783	10,935	787	3,257	5,871

**Table 1-49**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Arts, entertainment and recreation**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	143	76	41	36	5	21	41
1962	154	82	44	37	5	24	44
1963	169	89	49	40	5	29	46
1964	188	100	56	43	5	33	50
1965	220	118	69	50	6	37	58
1966	260	141	85	57	8	39	73
1967	427	219	157	62	8	82	119
1968	331	191	116	76	10	46	84
1969	406	229	141	88	11	71	95
1970	426	238	150	88	12	74	102
1971	522	296	174	122	15	88	124
1972	608	343	205	138	15	101	149
1973	720	414	237	176	18	109	179
1974	942	556	286	270	21	140	225
1975	1,170	672	358	314	27	169	300
1976	1,517	918	472	446	34	181	384
1977	1,537	888	480	408	42	197	411
1978	1,736	1,011	559	452	49	212	464
1979	1,918	1,110	650	460	56	232	520
1980	2,041	1,166	719	448	62	233	579
1981	2,470	1,473	904	569	83	293	621
1982	2,713	1,620	934	686	92	304	697
1983	2,842	1,739	1,030	709	98	291	715
1984	3,214	1,994	1,169	826	96	310	813
1985	3,581	2,251	1,363	888	106	358	867
1986	4,566	2,767	1,581	1,186	109	469	1,222
1987	4,695	2,752	1,777	975	112	494	1,337
1988	5,884	3,486	2,327	1,159	133	575	1,691
1989	5,835	3,265	2,162	1,103	144	641	1,784
1990	6,363	3,534	2,315	1,219	174	734	1,921
1991	6,613	3,612	2,382	1,230	189	752	2,061
1992	7,042	3,826	2,472	1,354	202	749	2,264
1993	7,339	3,843	2,581	1,262	192	834	2,471
1994	8,059	4,295	2,829	1,466	199	1,033	2,532
1995	8,578	4,360	3,041	1,318	202	1,143	2,873
1996	9,725	5,041	3,541	1,500	208	1,181	3,294
1997	10,728	5,678	3,908	1,770	196	1,353	3,500
1998	11,791	5,745	4,288	1,457	221	1,736	4,090
1999	12,740	6,272	4,720	1,552	235	1,676	4,558
2000	14,266	7,009	5,240	1,770	264	1,894	5,098
2001	15,470	7,663	5,733	1,931	251	1,944	5,612
2002	16,674	8,346	6,182	2,164	289	2,012	6,026
2003	17,472	8,664	6,349	2,316	325	2,090	6,393

**Table 1-50**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Repair and maintenance**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	407	300	249	51	13	36	58
1962	432	312	265	47	13	53	54
1963	466	338	282	56	14	52	62
1964	504	364	304	60	15	62	63
1965	536	386	329	57	17	58	76
1966	599	438	365	74	19	55	86
1967	659	480	404	76	20	68	91
1968	714	533	443	90	23	50	108
1969	758	554	472	81	20	86	98
1970	803	604	500	104	24	53	122
1971	884	670	558	112	26	59	129
1972	981	746	626	121	28	66	141
1973	1,137	859	723	136	31	87	159
1974	1,362	1,037	873	164	42	88	196
1975	1,595	1,226	1,013	213	48	107	213
1976	1,779	1,367	1,138	229	56	111	246
1977	2,042	1,514	1,309	204	62	215	252
1978	2,338	1,729	1,457	272	76	225	309
1979	2,667	1,993	1,651	342	89	221	364
1980	3,096	2,295	1,880	416	106	312	383
1981	3,380	2,509	2,063	447	142	201	528
1982	3,486	2,559	2,106	453	168	178	582
1983	3,628	2,649	2,128	522	177	188	614
1984	3,957	2,923	2,325	598	181	188	665
1985	4,284	3,156	2,579	577	201	192	734
1986	4,557	3,352	2,792	560	190	158	858
1987	5,214	3,860	3,203	658	214	179	960
1988	5,740	4,261	3,534	727	222	188	1,069
1989	6,124	4,506	3,739	767	237	204	1,177
1990	6,571	4,744	3,974	770	274	232	1,321
1991	6,134	4,408	3,769	638	267	223	1,236
1992	6,016	4,266	3,716	549	264	219	1,267
1993	6,377	4,461	3,841	620	272	293	1,351
1994	7,064	4,878	4,095	783	292	416	1,479
1995	7,354	5,033	4,216	817	304	485	1,532
1996	7,762	5,182	4,358	824	343	515	1,722
1997	7,891	5,400	4,408	992	282	634	1,576
1998	8,699	5,779	4,764	1,015	364	764	1,792
1999	10,797	6,745	5,425	1,320	506	957	2,589
2000	12,290	7,331	5,778	1,553	665	1,185	3,110
2001	12,952	7,972	6,197	1,774	680	932	3,368
2002	13,352	8,457	6,433	2,024	707	876	3,312
2003	14,716	8,958	6,724	2,233	782	1,148	3,829

**Table 1-51**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Religious, grant-making, civic, and professional and similar organizations**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	59	32	32	0	0	20	6
1962	69	38	38	0	0	24	7
1963	56	33	32	0	0	16	6
1964	62	40	40	0	0	15	7
1965	70	48	47	0	0	14	9
1966	82	61	60	1	1	10	11
1967	80	61	60	1	1	8	11
1968	97	69	68	1	1	16	12
1969	101	71	70	1	0	18	12
1970	116	84	83	1	1	16	15
1971	128	90	88	2	1	21	16
1972	130	92	90	2	1	21	17
1973	142	103	101	2	1	18	20
1974	163	120	118	2	1	19	23
1975	186	137	135	2	2	21	27
1976	209	156	154	2	2	20	32
1977	214	158	156	2	2	21	32
1978	258	187	185	2	2	31	37
1979	285	199	196	3	3	42	42
1980	320	226	223	3	3	43	48
1981	502	340	333	7	11	34	117
1982	568	386	377	9	13	41	128
1983	607	409	400	9	13	42	143
1984	686	443	432	11	15	60	169
1985	772	496	482	13	16	67	193
1986	861	537	518	19	17	70	236
1987	916	562	542	20	18	81	254
1988	1,043	628	605	22	19	98	298
1989	1,128	670	646	24	21	107	330
1990	1,237	765	732	32	25	103	344
1991	1,395	887	847	40	30	104	374
1992	1,487	948	905	43	33	108	399
1993	1,478	892	848	44	33	128	426
1994	1,491	897	854	43	34	120	440
1995	1,551	965	906	58	33	110	443
1996	1,717	1,134	1,057	77	34	103	446
1997	1,972	1,603	1,465	138	22	108	239
1998	1,887	1,614	1,498	116	12	55	206
1999	2,144	1,742	1,605	137	14	127	262
2000	3,037	1,913	1,761	152	46	347	731
2001	3,202	2,024	1,807	216	36	371	772
2002	3,370	2,130	1,919	211	41	389	809
2003	3,470	2,207	1,977	230	43	389	830

Table 1-52

## Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Personal and laundry services and private households

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	816	626	479	147	16	104	70
1962	846	648	498	149	16	111	72
1963	886	672	517	155	16	124	74
1964	939	712	546	165	17	132	78
1965	1,006	771	591	180	19	133	82
1966	1,098	845	652	192	21	144	88
1967	1,163	899	695	205	23	149	92
1968	1,210	935	720	215	24	155	96
1969	1,269	986	761	224	26	157	101
1970	1,298	1,005	772	232	26	162	106
1971	1,344	1,042	802	240	27	165	110
1972	1,444	1,114	858	257	29	176	125
1973	1,549	1,204	920	284	32	176	137
1974	1,772	1,374	1,056	318	39	202	156
1975	2,051	1,595	1,225	370	49	218	189
1976	2,307	1,794	1,390	404	60	234	218
1977	2,563	1,976	1,503	473	74	267	246
1978	2,790	2,157	1,619	538	85	272	275
1979	3,183	2,471	1,849	622	97	306	309
1980	3,657	2,862	2,157	704	110	347	339
1981	3,610	2,748	2,152	596	115	355	391
1982	3,954	2,970	2,330	640	131	384	470
1983	4,253	3,195	2,489	706	145	410	504
1984	4,597	3,467	2,679	788	156	426	547
1985	5,286	3,987	3,073	914	165	513	622
1986	5,872	4,350	3,329	1,021	156	607	759
1987	6,216	4,614	3,558	1,056	162	621	819
1988	6,915	5,044	3,766	1,278	171	746	955
1989	7,508	5,442	4,013	1,430	178	810	1,078
1990	7,927	5,638	4,245	1,393	197	913	1,179
1991	8,134	5,627	4,276	1,352	217	990	1,300
1992	8,332	5,695	4,338	1,356	236	1,049	1,352
1993	8,570	5,898	4,494	1,404	243	1,141	1,288
1994	8,893	6,170	4,631	1,539	244	1,140	1,339
1995	9,145	6,384	4,685	1,699	231	1,096	1,434
1996	9,414	6,394	4,747	1,648	249	1,090	1,680
1997	9,678	6,403	4,862	1,540	280	1,250	1,745
1998	10,113	6,620	4,992	1,628	266	1,273	1,954
1999	10,674	6,870	5,191	1,679	271	1,457	2,076
2000	11,179	7,272	5,475	1,797	301	1,482	2,124
2001	11,740	7,664	5,756	1,908	272	1,518	2,286
2002	12,138	8,066	5,998	2,068	287	1,438	2,348
2003	12,517	8,279	6,125	2,154	306	1,456	2,476

**Table 1-53**  
**Output, labour compensation, capital cost and cost of intermediate inputs in current dollars — Accommodation and food services**

	Gross output	Gross Domestic Product (GDP)	Labour compensation	Capital cost	Cost of energy input	Cost of material input	Cost of services input
millions of dollars							
1961	1,795	894	614	281	25	716	160
1962	1,904	952	670	282	27	757	169
1963	2,011	1,007	706	301	33	792	179
1964	2,166	1,090	770	320	37	850	190
1965	2,359	1,220	881	340	42	893	203
1966	2,584	1,392	1,030	362	51	940	202
1967	2,928	1,610	1,183	427	58	1,016	244
1968	3,137	1,689	1,197	492	73	1,087	288
1969	3,458	1,836	1,337	500	81	1,232	308
1970	3,752	2,054	1,463	592	94	1,250	353
1971	4,099	2,190	1,504	686	103	1,421	384
1972	4,614	2,440	1,716	723	117	1,624	433
1973	5,476	2,959	2,035	924	127	1,901	488
1974	6,577	3,582	2,467	1,115	151	2,286	558
1975	7,688	4,213	2,903	1,310	186	2,622	666
1976	8,979	5,108	3,583	1,524	234	2,845	793
1977	9,873	5,478	3,833	1,644	291	3,169	935
1978	11,115	6,037	4,225	1,812	334	3,644	1,100
1979	12,426	6,764	4,744	2,020	375	4,074	1,213
1980	13,958	7,752	5,504	2,248	436	4,451	1,319
1981	16,170	8,834	6,545	2,289	381	5,309	1,646
1982	16,950	9,235	6,936	2,299	426	5,425	1,864
1983	17,775	9,724	7,368	2,356	450	5,589	2,012
1984	18,851	10,238	7,867	2,371	484	5,976	2,153
1985	20,393	11,292	8,611	2,681	476	6,338	2,287
1986	22,324	12,057	9,085	2,972	452	7,257	2,558
1987	23,820	12,754	9,807	2,947	492	7,716	2,859
1988	26,585	14,122	10,663	3,459	545	8,480	3,437
1989	29,730	15,963	12,004	3,958	597	9,340	3,830
1990	30,904	16,753	12,473	4,280	664	9,418	4,068
1991	29,383	15,908	12,028	3,880	680	8,804	3,990
1992	30,358	16,455	12,661	3,794	710	9,094	4,099
1993	31,326	16,901	12,941	3,960	733	9,375	4,318
1994	33,287	17,613	13,576	4,037	788	10,085	4,800
1995	34,300	18,645	14,091	4,554	760	10,176	4,718
1996	35,869	18,766	14,443	4,323	828	11,225	5,050
1997	39,510	19,471	14,932	4,539	1,005	11,934	7,100
1998	41,727	20,553	15,940	4,613	1,079	12,272	7,823
1999	44,229	21,928	16,889	5,039	1,124	12,838	8,340
2000	47,664	23,263	18,254	5,009	1,173	13,574	9,653
2001	49,638	23,999	18,776	5,223	1,019	14,337	10,282
2002	51,855	25,215	19,545	5,670	1,143	14,695	10,802
2003	51,653	25,206	19,492	5,714	1,175	14,453	10,819

**Table 2-1**  
**Productivity and related measures — Business sector**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined labour and capital inputs
	Index (2002=100)			millions of hours		Index (2002=100)		
1961	...	...	20.5	36.8	11,137	13.4	...	24.9
1962	...	...	22.0	38.3	11,455	13.9	...	25.9
1963	...	...	23.3	39.3	11,593	14.5	...	26.7
1964	...	...	25.0	41.0	11,941	15.5	...	28.1
1965	...	...	26.7	42.9	12,256	16.8	...	29.9
1966	...	...	28.5	45.0	12,773	18.6	...	32.0
1967	...	...	29.1	46.0	12,937	19.9	...	33.2
1968	...	...	30.7	46.2	12,870	20.9	...	33.9
1969	...	...	32.3	47.2	13,096	22.1	...	35.2
1970	...	...	33.2	47.4	13,041	23.4	...	36.0
1971	...	...	34.5	48.4	13,227	24.5	...	37.1
1972	...	...	36.6	49.9	13,470	26.0	...	38.7
1973	...	...	39.4	52.7	14,104	28.1	...	41.2
1974	...	...	40.8	54.6	14,544	30.3	...	43.3
1975	...	...	41.3	54.5	14,484	32.4	...	44.4
1976	...	...	44.0	54.5	14,428	34.4	...	45.4
1977	...	...	45.8	55.0	14,483	36.2	...	46.6
1978	...	...	47.9	57.4	15,030	38.2	...	48.8
1979	...	...	50.0	60.7	15,860	40.6	...	51.7
1980	...	...	51.2	62.7	16,265	43.6	...	54.3
1981	...	...	53.4	64.4	16,645	46.8	...	56.8
1982	...	...	51.3	61.3	15,681	48.0	...	55.7
1983	...	...	52.7	61.7	15,670	49.2	...	56.5
1984	...	...	56.4	64.0	16,190	50.8	...	58.4
1985	...	...	59.4	66.7	16,877	52.8	...	60.8
1986	...	...	60.9	69.6	17,416	54.7	...	63.3
1987	...	...	63.9	73.0	18,149	57.6	...	66.5
1988	...	...	67.2	76.3	18,815	60.8	...	69.8
1989	...	...	69.0	78.3	19,209	64.3	...	72.5
1990	...	...	68.7	78.4	19,112	66.6	...	73.5
1991	...	...	65.9	75.9	18,361	67.9	...	72.6
1992	...	...	66.3	75.1	18,041	69.1	...	72.5
1993	...	...	68.2	76.8	18,258	70.1	...	74.0
1994	...	...	72.4	79.8	18,878	72.3	...	76.6
1995	...	...	74.8	82.1	19,270	75.1	...	79.1
1996	...	...	76.5	84.5	19,786	77.8	...	81.7
1997	...	...	80.8	87.3	20,274	82.2	...	85.1
1998	...	...	84.6	90.0	20,809	86.4	...	88.5
1999	...	...	90.2	93.3	21,459	91.4	...	92.5
2000	...	...	95.9	96.6	21,998	95.8	...	96.3
2001	...	...	97.5	98.0	22,103	98.4	...	98.2
2002	...	...	100.0	100.0	22,447	100.0	...	100.0
2003	...	...	101.9	101.9	22,741	103.4	...	102.5
2004	...	...	105.3	105.5	23,451	107.3	...	106.3
2005	...	...	108.4	107.0	23,613	112.2	...	109.2
2006	...	...	111.3	108.8	23,983	117.4	...	112.4

**Table 2-2  
Productivity and related measures — Crop and animal production**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined labour and capital inputs
	Index (2002=100)			millions of hours		Index (2002=100)		
1961	70.1	29.5	60.7	175.0	1,597	69.9	14.0	114.8
1962	80.9	34.0	75.2	170.6	1,553	70.2	14.4	113.1
1963	87.6	37.7	84.8	166.4	1,513	72.7	15.3	113.1
1964	82.6	36.4	77.3	160.4	1,455	75.9	16.5	112.9
1965	87.1	38.1	81.0	147.0	1,326	78.1	17.2	108.7
1966	92.1	41.9	89.6	145.1	1,308	81.6	18.8	110.3
1967	81.2	38.4	74.7	144.6	1,302	85.6	20.2	112.6
1968	85.3	39.9	79.5	137.6	1,236	87.0	20.2	110.1
1969	89.1	41.6	84.9	134.3	1,205	88.4	20.3	109.5
1970	85.5	38.8	76.1	125.4	1,121	87.9	20.1	105.0
1971	91.3	43.4	85.1	125.7	1,124	87.4	22.5	104.9
1972	85.1	41.0	72.7	116.8	1,040	90.0	24.0	102.0
1973	87.5	43.7	78.9	117.7	1,042	95.1	25.0	105.4
1974	82.2	43.1	73.8	119.5	1,060	100.0	26.8	109.3
1975	88.9	47.7	84.5	119.4	1,053	101.4	28.1	110.3
1976	95.0	52.6	96.2	115.3	1,020	107.3	29.5	112.4
1977	92.2	52.1	91.3	110.3	976	111.7	30.9	112.4
1978	89.4	53.0	87.1	107.5	949	116.1	34.2	113.3
1979	83.0	52.2	79.7	111.1	980	122.0	37.0	118.3
1980	85.0	54.7	81.8	104.8	926	123.6	39.8	116.5
1981	88.7	70.7	91.5	110.2	966	125.4	59.5	119.8
1982	90.3	72.3	95.7	113.4	981	124.5	59.7	120.3
1983	88.7	71.7	90.5	110.7	954	123.4	61.4	118.7
1984	88.1	71.2	88.3	110.9	945	121.5	61.8	117.5
1985	88.8	73.0	93.2	127.1	1,094	119.7	62.0	122.0
1986	92.9	77.2	99.2	117.0	1,000	118.5	65.2	117.4
1987	89.9	76.1	91.1	114.4	972	117.9	68.1	116.0
1988	88.5	73.6	84.8	109.5	944	115.0	67.6	112.3
1989	93.3	78.2	95.1	110.3	949	112.0	69.1	110.8
1990	99.0	83.4	106.0	107.9	953	108.9	71.2	108.0
1991	100.2	83.7	107.2	106.5	933	106.6	71.1	106.0
1992	95.1	81.1	93.4	105.7	913	104.4	74.8	104.3
1993	97.5	85.4	98.4	106.4	914	103.2	78.8	103.7
1994	99.6	88.6	103.0	106.1	894	102.2	81.3	103.0
1995	101.4	93.1	106.9	106.7	855	101.0	86.0	102.3
1996	103.1	97.6	112.7	110.5	884	100.0	89.9	103.3
1997	100.4	96.2	107.0	112.0	884	102.3	90.7	105.3
1998	103.8	101.6	115.8	108.2	862	102.1	94.4	104.0
1999	107.9	107.7	126.7	105.0	812	101.4	98.1	102.6
2000	107.0	109.4	123.3	103.0	757	102.0	102.2	102.3
2001	103.9	105.6	111.0	97.6	677	100.8	102.8	99.7
2002	100.0	100.0	100.0	100.0	681	100.0	100.0	100.0
2003	106.5	109.1	118.7	98.1	672	99.8	104.2	99.2

**Table 2-3**  
**Productivity and related measures — Forestry and logging**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	63.6	42.7	45.1	141.6	204	66.4	38.0	67.2
1962	63.7	43.5	47.0	149.1	214	66.7	37.5	68.4
1963	66.0	44.2	47.5	138.6	198	66.9	38.3	66.9
1964	65.6	47.9	49.9	146.5	209	72.0	43.5	73.1
1965	64.5	49.0	50.1	148.7	211	78.2	45.5	76.0
1966	64.6	50.5	51.0	150.3	212	80.1	47.6	78.1
1967	63.9	47.2	47.3	140.8	199	78.7	45.0	73.9
1968	66.4	49.6	47.7	131.0	184	77.1	49.8	74.8
1969	68.3	54.4	51.7	132.2	186	84.1	55.4	79.7
1970	68.9	54.3	52.5	131.6	185	85.2	54.0	78.8
1971	70.3	52.4	50.7	118.4	166	87.4	52.1	74.5
1972	72.6	55.8	52.7	114.8	160	88.4	57.3	76.9
1973	72.5	67.8	60.8	135.2	186	98.0	74.0	93.5
1974	69.4	68.9	61.0	143.8	196	113.7	76.2	99.3
1975	66.1	53.9	49.9	123.2	167	120.3	56.8	81.5
1976	72.7	60.4	56.0	113.7	153	118.7	63.6	83.1
1977	74.3	64.2	59.4	116.4	156	118.9	67.8	86.5
1978	74.0	68.5	63.9	131.5	176	116.8	71.5	92.6
1979	72.4	71.8	64.9	143.0	190	116.4	77.9	99.2
1980	74.0	72.1	65.5	134.7	179	118.4	77.8	97.4
1981	76.5	69.4	64.1	119.2	159	119.2	73.6	90.7
1982	76.4	60.9	56.0	102.7	137	110.9	64.8	79.6
1983	84.5	73.4	70.8	108.1	144	104.2	74.9	86.9
1984	86.6	80.9	75.5	111.3	148	100.8	84.9	93.4
1985	87.2	80.5	73.5	106.4	141	97.1	86.0	92.3
1986	86.0	80.5	70.8	106.9	141	93.8	88.5	93.6
1987	91.3	92.4	84.7	115.1	152	92.0	98.3	101.2
1988	92.1	93.2	85.1	112.6	148	92.0	99.4	101.2
1989	91.3	92.5	84.6	112.6	149	95.1	98.6	101.4
1990	89.2	83.7	74.9	101.6	134	93.5	90.7	93.9
1991	86.1	76.4	67.1	99.9	132	88.7	84.0	88.7
1992	88.2	80.1	68.3	95.6	124	86.4	90.0	90.9
1993	89.6	84.9	73.4	100.3	131	88.5	94.3	94.8
1994	89.9	94.9	77.8	105.7	137	92.6	110.2	105.6
1995	90.0	103.5	84.8	122.9	158	93.5	120.2	115.1
1996	91.2	103.1	83.9	107.9	139	99.3	120.4	113.1
1997	92.0	105.5	85.5	106.5	137	100.0	123.5	114.6
1998	92.5	102.8	86.6	101.9	130	104.9	116.8	111.1
1999	92.4	112.9	90.1	111.7	140	103.5	133.5	122.1
2000	96.4	107.3	96.2	105.4	133	102.2	117.0	111.2
2001	97.0	96.9	96.3	100.9	128	105.6	97.4	99.9
2002	100.0	100.0	100.0	100.0	127	100.0	100.0	100.0
2003	99.0	99.6	100.2	102.5	130	102.1	99.1	100.6

**Table 2-4  
Productivity and related measures — Fishing, hunting and trapping**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	96.9	60.0	105.3	124.8	57	87.0	23.0	61.9
1962	99.8	64.1	109.2	122.3	56	89.0	26.3	64.2
1963	97.1	63.1	107.0	122.5	55	93.1	26.2	65.0
1964	99.9	66.7	112.1	118.5	53	98.1	28.3	66.8
1965	102.0	67.1	109.2	103.1	46	102.6	30.6	65.8
1966	102.4	69.7	109.0	100.2	45	104.4	34.8	68.1
1967	95.7	64.9	100.3	97.9	44	112.6	33.2	67.9
1968	111.1	74.7	122.6	93.3	42	114.5	33.6	67.2
1969	104.1	68.8	106.7	86.3	39	114.7	34.9	66.0
1970	111.0	70.4	110.2	77.6	35	114.3	35.1	63.4
1971	106.9	67.2	103.8	78.3	34	112.3	34.4	62.9
1972	101.8	63.2	96.0	77.2	33	112.1	33.6	62.1
1973	100.7	65.9	97.8	81.4	34	114.3	37.0	65.4
1974	90.6	58.3	83.5	80.3	33	114.3	35.6	64.4
1975	87.9	55.5	78.6	80.5	32	110.7	34.6	63.1
1976	92.2	63.1	89.2	84.4	34	117.3	39.5	68.5
1977	100.6	73.2	105.7	87.8	35	121.8	43.9	72.7
1978	104.9	80.6	119.8	98.0	37	126.4	45.2	76.8
1979	93.9	82.5	113.7	117.3	45	135.0	55.7	87.9
1980	96.4	79.8	115.0	99.8	39	140.9	49.2	82.8
1981	99.4	87.6	126.4	111.2	43	142.0	53.8	88.2
1982	106.9	86.7	136.3	105.6	41	136.5	46.7	81.2
1983	105.3	82.4	131.6	110.3	42	130.2	43.1	78.3
1984	99.9	78.0	117.9	110.6	42	124.2	44.7	78.0
1985	110.3	93.2	137.9	114.2	43	119.9	55.1	84.5
1986	108.9	98.3	140.3	130.2	48	116.3	61.9	90.3
1987	99.5	93.6	120.5	132.2	48	113.9	70.1	94.0
1988	104.7	100.9	134.9	149.5	54	111.9	70.9	96.3
1989	109.9	101.5	144.1	144.7	51	112.3	64.4	92.3
1990	114.9	105.7	152.4	140.5	50	111.9	65.5	92.0
1991	105.7	98.7	130.4	142.7	52	107.0	69.2	93.3
1992	106.4	90.7	120.5	120.6	43	105.5	63.1	85.2
1993	107.5	88.2	123.5	121.7	43	106.3	56.5	82.0
1994	95.0	87.5	101.2	124.0	44	107.1	73.5	92.1
1995	88.5	77.3	88.3	120.7	43	106.6	66.0	87.3
1996	89.4	81.3	87.9	116.9	42	104.7	74.9	90.8
1997	92.4	85.2	89.4	109.7	40	101.9	81.1	92.2
1998	89.6	85.4	86.7	117.7	42	100.5	84.0	95.4
1999	90.9	88.8	85.5	108.6	39	100.5	91.8	97.6
2000	93.0	95.0	88.4	105.2	37	100.9	101.5	102.1
2001	98.4	98.4	97.1	101.0	34	100.1	99.7	100.1
2002	100.0	100.0	100.0	100.0	33	100.0	100.0	100.0
2003	102.5	100.9	102.4	94.1	31	100.0	99.4	98.4

**Table 2-5**  
**Productivity and related measures — Support activities for agriculture and forestry**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	92.2	17.1	28.7	27.1	20	56.3	7.0	18.5
1962	87.2	16.3	27.2	27.7	20	55.7	7.0	18.7
1963	91.8	17.5	29.0	27.5	20	57.5	7.5	19.0
1964	92.1	18.0	29.4	27.5	19	63.7	8.0	19.5
1965	93.0	20.0	32.3	29.8	21	70.1	9.3	21.5
1966	99.5	21.6	34.8	29.1	20	72.4	10.1	21.7
1967	98.5	22.1	35.3	30.0	20	73.8	10.6	22.4
1968	95.5	21.9	34.6	30.7	20	74.0	10.8	23.0
1969	99.2	23.2	36.6	30.7	20	77.5	11.4	23.4
1970	98.2	23.4	37.2	31.7	20	77.8	11.4	23.8
1971	99.0	24.3	38.5	32.5	20	78.1	11.8	24.5
1972	106.2	25.8	40.6	30.7	19	82.1	12.8	24.3
1973	111.1	29.3	46.4	32.9	20	89.6	14.3	26.4
1974	109.8	27.7	43.5	30.6	19	99.7	13.9	25.3
1975	111.6	28.1	44.7	30.7	19	100.3	13.6	25.2
1976	108.7	26.7	41.4	29.4	18	101.1	13.7	24.6
1977	103.8	27.2	41.9	31.9	19	102.6	14.2	26.2
1978	102.7	29.0	44.5	34.6	21	103.8	15.3	28.3
1979	108.2	31.8	49.0	35.3	21	106.6	16.7	29.4
1980	101.9	35.4	55.2	44.3	26	109.8	18.1	34.8
1981	107.3	41.1	64.5	48.6	29	107.0	20.7	38.3
1982	106.0	41.4	64.1	49.8	29	97.9	21.5	39.1
1983	107.3	44.0	67.9	52.6	30	91.8	23.0	41.0
1984	106.4	44.7	68.8	54.7	32	88.0	23.4	42.0
1985	106.3	48.5	73.8	59.9	35	84.8	25.9	45.6
1986	102.7	52.7	77.5	67.9	39	83.2	30.1	51.3
1987	116.9	63.0	90.2	64.0	36	82.3	37.8	53.9
1988	121.4	73.9	104.9	72.7	40	82.0	45.0	60.9
1989	111.7	73.0	99.1	80.6	44	82.1	47.8	65.3
1990	116.2	71.5	96.4	71.8	39	81.0	47.4	61.6
1991	107.1	69.6	87.6	76.9	41	75.8	51.0	64.9
1992	107.8	68.6	87.4	76.1	41	74.3	49.3	63.6
1993	101.5	69.0	87.2	85.0	45	76.7	50.3	68.0
1994	96.3	73.7	92.0	99.4	52	79.6	54.6	76.5
1995	99.4	72.2	88.9	90.0	48	79.8	54.9	72.7
1996	100.2	76.5	88.9	88.5	46	81.8	63.1	76.4
1997	98.2	74.9	78.7	78.5	42	89.5	70.2	76.3
1998	93.7	70.4	84.7	94.0	47	90.4	54.3	75.1
1999	102.0	91.4	96.6	90.6	46	103.1	85.4	89.6
2000	102.9	103.5	102.8	96.8	48	100.9	104.2	100.6
2001	106.2	99.3	101.3	87.8	45	100.0	97.0	93.5
2002	100.0	100.0	100.0	100.0	50	100.0	100.0	100.0
2003	100.2	100.8	102.3	99.3	50	111.6	99.0	100.6

**Table 2-6**  
**Productivity and related measures — Oil and gas extraction**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	173.5	16.0	20.2	8.2	11	10.6	6.8	9.2
1962	181.0	18.7	23.4	10.0	13	11.5	8.5	10.3
1963	181.7	20.1	25.0	9.8	12	12.3	9.3	11.0
1964	183.4	21.8	27.2	10.6	13	13.3	9.9	11.9
1965	184.0	23.4	29.3	12.7	16	14.1	10.6	12.7
1966	186.2	25.6	31.9	9.7	12	15.5	11.8	13.8
1967	191.6	28.3	35.9	10.2	13	16.8	12.0	14.8
1968	197.5	31.4	40.8	17.9	22	17.9	11.6	15.9
1969	198.3	34.8	43.6	20.2	25	19.0	15.4	17.5
1970	213.1	39.2	50.5	22.0	27	20.1	15.4	18.4
1971	209.6	41.5	53.0	24.8	30	21.4	16.9	19.8
1972	227.1	47.8	61.5	26.7	32	22.5	18.8	21.1
1973	242.8	53.2	69.0	26.4	32	23.4	20.1	21.9
1974	217.7	50.5	65.0	30.5	37	24.8	20.2	23.2
1975	183.1	45.4	56.9	29.8	36	26.5	22.4	24.8
1976	160.0	43.1	52.4	29.7	36	28.6	26.6	26.9
1977	156.6	44.7	54.7	33.1	40	30.5	26.7	28.6
1978	144.4	44.5	53.6	41.2	50	32.5	29.8	30.8
1979	146.5	49.5	60.2	45.7	56	35.9	30.9	33.8
1980	122.4	46.9	56.3	49.8	60	41.4	31.8	38.3
1981	106.0	44.4	52.9	53.9	64	45.9	31.6	41.9
1982	101.1	45.8	54.3	64.4	76	49.6	33.7	45.3
1983	104.1	48.8	58.8	70.9	82	51.6	32.7	46.9
1984	104.5	51.3	61.6	75.5	86	53.8	34.7	49.1
1985	105.6	55.0	66.0	83.6	94	56.7	37.7	52.1
1986	101.1	52.2	61.7	83.8	93	55.8	38.1	51.6
1987	106.3	53.2	63.7	81.8	90	54.0	37.3	50.1
1988	112.0	58.0	69.3	87.7	95	54.2	40.8	51.8
1989	110.0	56.8	66.2	90.8	97	52.6	42.4	51.6
1990	112.0	56.6	66.0	82.1	86	51.8	42.3	50.6
1991	116.0	59.2	69.7	88.5	92	51.4	43.1	51.0
1992	126.9	63.9	77.0	87.1	89	49.8	44.1	50.4
1993	132.5	67.6	81.5	76.9	78	50.8	46.6	51.0
1994	128.6	73.4	86.0	83.4	83	56.0	54.2	57.1
1995	124.9	74.9	88.5	84.4	84	60.7	54.3	60.0
1996	120.4	78.2	87.7	83.3	83	64.0	64.0	65.0
1997	115.2	81.2	90.2	84.7	84	70.9	67.8	70.5
1998	114.9	83.8	93.4	77.7	77	75.4	69.8	73.0
1999	114.8	89.9	95.2	75.8	73	77.9	80.6	78.4
2000	109.0	95.8	95.0	77.1	74	84.6	97.6	87.9
2001	98.9	93.9	93.2	102.7	98	94.0	95.2	95.0
2002	100.0	100.0	100.0	100.0	94	100.0	100.0	100.0
2003	96.0	103.5	101.7	107.6	103	107.9	107.7	107.8

**Table 2-7**  
**Productivity and related measures — Mining (except oil and gas)**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours		Index (2002=100)		
1961	92.2	40.9	46.5	106.4	144	34.8	27.3	44.4
1962	89.6	41.9	45.7	107.1	143	35.8	31.3	46.8
1963	91.8	44.4	47.9	104.6	138	37.1	34.3	48.4
1964	100.1	50.8	56.3	104.4	136	39.5	36.5	50.8
1965	98.9	53.9	58.5	117.6	151	40.5	40.8	54.5
1966	91.6	54.2	57.4	123.1	156	45.1	43.7	59.1
1967	93.0	57.7	61.4	121.2	152	49.0	45.9	62.0
1968	95.8	63.1	66.5	116.9	145	52.9	51.5	65.9
1969	95.8	64.3	68.6	110.5	137	57.2	51.0	67.1
1970	92.3	69.8	71.9	124.9	154	62.6	59.7	75.6
1971	83.3	67.5	67.2	125.6	154	71.7	61.9	81.0
1972	83.6	68.0	69.3	120.4	147	77.5	59.8	81.4
1973	91.5	80.8	82.7	123.7	150	81.7	70.3	88.3
1974	84.5	78.5	75.6	129.6	156	83.2	78.0	93.0
1975	80.0	74.8	69.9	124.8	150	85.3	78.8	93.5
1976	82.2	79.4	74.2	121.9	147	89.0	83.6	96.6
1977	80.4	81.2	74.0	123.9	149	93.0	89.2	101.0
1978	80.7	78.0	71.1	113.5	136	91.6	85.5	96.7
1979	79.7	82.0	71.9	119.8	143	93.2	96.3	102.8
1980	77.3	83.7	72.7	130.0	152	97.6	100.3	108.3
1981	72.0	80.3	69.1	133.6	153	105.3	98.0	111.5
1982	69.5	69.5	61.7	114.4	130	109.4	81.1	100.0
1983	71.8	69.7	63.3	106.4	120	110.9	78.7	97.0
1984	85.4	87.0	86.9	113.2	127	110.7	85.5	101.9
1985	86.2	86.7	86.2	108.8	121	109.5	85.7	100.6
1986	85.6	88.1	85.3	112.8	125	106.6	90.4	103.0
1987	92.7	95.7	96.5	111.8	124	105.8	92.1	103.2
1988	96.2	102.3	102.3	114.5	126	104.9	100.0	106.3
1989	91.8	100.8	96.9	122.2	134	104.1	106.9	109.8
1990	91.9	98.2	95.9	122.2	133	102.1	101.2	106.8
1991	95.0	96.3	96.5	114.9	124	98.5	95.4	101.4
1992	94.5	91.0	91.3	111.0	119	93.2	89.9	96.4
1993	96.8	88.1	89.3	102.1	109	89.1	85.8	91.1
1994	97.1	89.5	89.2	103.2	110	86.9	89.2	92.1
1995	97.7	96.6	94.0	112.0	118	88.1	99.6	98.8
1996	98.5	99.6	95.8	111.4	117	89.4	104.4	101.1
1997	95.1	101.9	94.6	117.4	122	93.9	111.9	107.2
1998	95.3	101.0	95.9	112.6	117	98.8	107.9	106.0
1999	99.5	97.7	99.9	108.0	109	95.5	95.1	98.2
2000	102.6	101.1	103.3	101.4	103	96.8	98.4	98.5
2001	102.5	101.8	103.8	98.2	101	100.0	99.3	99.3
2002	100.0	100.0	100.0	100.0	100	100.0	100.0	100.0
2003	103.7	102.3	104.3	96.2	96	98.8	99.7	98.6

**Table 2-8**  
**Productivity and related measures — Support activities for mining and oil and gas extraction**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	122.7	14.7	18.8	13.4	22	12.4	11.1	11.9
1962	113.9	14.3	19.1	16.6	27	13.9	10.4	12.5
1963	113.1	14.8	19.2	16.1	26	15.2	11.1	13.1
1964	111.9	15.2	19.5	15.7	25	16.8	11.6	13.6
1965	109.8	17.1	20.7	17.2	28	18.6	13.9	15.6
1966	113.9	19.7	23.4	18.0	29	19.8	16.1	17.3
1967	111.3	19.3	23.4	18.3	29	21.3	15.6	17.4
1968	107.9	20.0	23.5	18.6	30	24.2	16.7	18.6
1969	105.7	21.4	23.9	18.1	29	28.5	18.7	20.2
1970	104.8	21.4	24.6	16.9	27	33.8	18.1	20.4
1971	99.8	21.9	23.5	17.7	28	35.8	19.9	21.9
1972	99.6	24.4	26.4	21.9	35	36.5	21.9	24.5
1973	106.4	28.6	31.7	23.5	37	37.8	25.1	26.9
1974	101.0	27.4	30.2	24.9	39	39.2	24.2	27.1
1975	100.0	24.6	29.1	23.6	37	40.0	19.7	24.6
1976	102.8	28.5	31.9	25.0	39	41.1	24.8	27.8
1977	107.1	35.0	37.9	30.1	47	41.2	31.7	32.7
1978	105.4	41.9	41.9	37.0	58	42.8	41.7	39.8
1979	108.9	50.8	52.8	49.2	77	44.7	48.4	46.7
1980	116.6	66.8	73.1	65.9	102	49.9	59.3	57.3
1981	113.8	69.5	72.4	60.9	94	58.1	65.7	61.0
1982	111.8	66.7	70.5	59.5	90	60.5	61.9	59.6
1983	108.0	63.3	64.7	57.0	86	61.1	61.2	58.7
1984	109.6	69.5	73.8	68.3	102	60.9	64.2	63.5
1985	109.8	74.2	79.1	76.1	113	61.4	68.0	67.5
1986	99.0	58.1	58.3	62.7	92	62.7	57.4	58.7
1987	89.3	51.5	48.9	62.0	91	69.2	54.1	57.7
1988	98.5	63.2	63.3	65.9	97	76.0	62.6	64.2
1989	93.4	52.5	50.8	55.0	81	76.3	54.1	56.2
1990	93.1	56.1	53.9	60.5	88	75.9	58.1	60.3
1991	96.5	57.8	55.7	58.2	85	73.0	59.7	59.9
1992	92.9	46.7	41.6	45.0	66	68.9	51.8	50.3
1993	97.6	58.0	53.6	54.3	79	66.5	62.5	59.5
1994	96.2	70.0	67.4	75.0	108	67.9	72.5	72.7
1995	98.2	71.5	70.3	75.1	109	67.8	72.7	72.8
1996	96.5	79.6	78.9	85.6	123	82.8	80.3	82.5
1997	95.5	92.2	88.7	97.4	140	96.9	96.1	96.5
1998	97.8	88.8	82.7	81.3	118	102.6	96.1	90.8
1999	95.5	77.6	73.6	75.1	108	98.1	82.4	81.2
2000	98.2	97.6	96.8	100.4	144	98.9	98.5	99.4
2001	99.3	106.3	105.8	108.6	156	102.2	106.9	107.0
2002	100.0	100.0	100.0	100.0	140	100.0	100.0	100.0
2003	99.4	111.2	114.0	116.4	168	111.5	107.7	111.9

**Table 2-9**  
**Productivity and related measures — Electric power generation, transmission and distribution**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	69.6	15.7	17.0	33.8	62	23.7	11.3	22.5
1962	70.8	16.7	17.8	35.0	64	24.2	13.4	23.6
1963	73.0	17.7	18.8	35.1	64	24.7	14.8	24.3
1964	76.7	19.1	20.3	34.4	62	25.6	15.3	24.8
1965	79.2	20.7	22.0	34.4	62	27.0	16.9	26.1
1966	80.8	23.0	25.1	40.6	73	29.4	16.8	28.5
1967	80.4	24.9	27.0	43.4	78	32.0	18.7	31.0
1968	81.0	27.3	29.5	45.6	81	35.1	20.5	33.7
1969	80.7	29.8	31.8	47.3	84	38.7	23.8	37.0
1970	84.7	32.6	35.6	47.6	85	41.6	23.4	38.5
1971	84.3	34.8	37.5	48.4	85	44.6	26.8	41.3
1972	90.7	38.6	42.4	48.4	84	46.7	27.2	42.5
1973	93.7	42.5	47.3	51.2	88	50.3	28.2	45.4
1974	94.9	45.0	52.0	55.1	94	54.6	25.3	47.4
1975	89.8	45.0	52.1	57.7	98	59.1	25.2	50.1
1976	91.3	50.1	57.0	61.6	104	63.4	29.8	54.8
1977	94.1	54.3	62.0	61.1	103	67.8	32.0	57.7
1978	92.3	57.0	65.0	64.8	109	73.3	33.7	61.8
1979	90.8	60.2	68.7	73.6	124	77.7	35.3	66.2
1980	92.8	62.6	72.4	73.9	124	80.3	35.1	67.5
1981	86.6	65.0	73.2	81.1	134	88.7	40.1	75.0
1982	81.4	64.5	71.5	81.2	132	95.7	42.0	79.2
1983	82.1	67.4	76.1	82.7	133	101.9	41.1	82.0
1984	88.2	71.6	82.1	77.1	123	102.3	41.1	81.2
1985	92.1	75.3	86.6	78.7	124	101.8	42.7	81.8
1986	94.9	76.7	89.0	80.8	127	100.0	41.5	80.8
1987	97.7	81.4	92.2	82.3	129	99.6	49.8	83.3
1988	97.8	83.4	94.5	86.7	136	101.2	51.1	85.3
1989	91.1	82.8	90.7	95.8	150	104.3	59.2	90.9
1990	86.9	82.1	89.6	101.7	157	108.7	59.6	94.4
1991	86.8	86.3	93.7	103.2	158	115.0	63.9	99.3
1992	83.8	87.0	91.5	102.2	154	118.4	74.1	103.8
1993	84.8	89.5	93.7	107.2	160	118.1	77.7	105.6
1994	88.8	92.4	96.4	102.3	151	115.3	81.3	104.1
1995	93.0	94.7	100.9	104.6	153	112.6	76.9	101.8
1996	95.9	94.4	101.9	102.4	150	109.2	72.9	98.5
1997	98.2	94.6	101.4	100.4	146	105.2	75.0	96.4
1998	97.0	93.6	99.3	101.1	150	104.1	77.3	96.5
1999	99.1	96.5	99.9	94.5	139	103.4	87.2	97.5
2000	98.6	100.1	98.7	99.4	144	101.2	103.4	101.5
2001	95.5	94.0	94.1	99.6	145	100.5	93.6	98.4
2002	100.0	100.0	100.0	100.0	143	100.0	100.0	100.0
2003	98.4	101.5	100.3	107.0	154	101.2	104.9	103.2

**Table 2-10**  
**Productivity and related measures — Natural gas distribution, water and other systems**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	56.7	13.5	13.8	44.9	14	23.4	13.1	23.9
1962	66.1	16.1	17.1	48.3	15	23.7	12.8	24.4
1963	70.0	17.9	19.0	48.5	15	25.0	14.2	25.6
1964	71.2	18.1	19.7	47.3	15	25.9	12.2	25.5
1965	74.7	19.8	21.8	49.8	15	27.0	12.1	26.5
1966	76.4	20.8	22.7	48.5	15	27.9	13.8	27.3
1967	76.8	22.3	24.4	51.9	16	29.7	14.6	29.0
1968	78.2	23.9	26.3	52.0	16	32.0	15.1	30.6
1969	79.0	25.6	28.1	52.8	16	34.3	15.9	32.4
1970	84.2	28.3	31.8	52.8	16	36.7	15.0	33.6
1971	90.6	32.0	35.5	48.5	15	38.9	19.1	35.4
1972	95.9	35.2	38.6	46.6	14	40.3	22.0	36.7
1973	95.4	36.5	41.0	51.5	16	42.6	20.0	38.2
1974	95.0	38.4	42.7	50.2	16	45.6	22.3	40.4
1975	90.5	39.2	42.7	46.8	15	50.4	25.5	43.4
1976	88.6	41.5	44.8	49.1	16	54.6	28.2	46.9
1977	96.3	46.0	51.9	50.0	16	57.9	24.7	47.8
1978	84.5	43.2	48.1	54.9	18	62.2	24.9	51.1
1979	83.5	44.9	50.2	58.3	19	65.8	25.1	53.8
1980	86.3	48.3	54.7	59.6	20	69.5	25.2	56.0
1981	78.1	48.3	51.9	64.7	22	73.9	33.1	61.8
1982	72.7	46.9	50.7	72.4	25	77.3	31.1	64.5
1983	80.5	52.4	58.0	68.5	23	80.4	30.7	65.2
1984	78.2	52.5	58.0	70.8	24	83.3	30.6	67.1
1985	81.6	54.8	61.4	65.9	23	86.0	28.9	67.2
1986	73.8	50.7	56.2	72.8	24	86.0	29.3	68.7
1987	69.7	48.8	52.7	72.2	24	86.6	33.7	70.1
1988	72.3	53.6	59.1	82.2	26	91.5	32.1	74.2
1989	75.0	57.9	63.2	83.2	25	94.2	37.0	77.3
1990	69.6	56.6	60.3	83.1	24	99.4	41.7	81.4
1991	70.0	58.3	63.3	93.3	27	100.9	38.7	83.3
1992	69.5	60.6	64.8	95.7	27	104.5	44.1	87.2
1993	71.9	62.3	66.7	98.4	28	101.8	45.0	86.7
1994	70.6	63.2	67.6	101.9	28	105.5	45.6	89.5
1995	72.5	67.2	72.6	106.4	30	109.5	46.1	92.6
1996	75.3	73.1	77.6	107.1	30	112.6	55.3	97.1
1997	71.2	73.0	73.0	93.8	26	118.3	72.9	102.5
1998	68.5	72.9	73.0	102.9	28	122.3	72.2	106.3
1999	72.5	78.3	77.8	107.1	30	119.4	80.0	107.9
2000	81.9	85.6	84.2	96.9	26	111.5	90.9	104.5
2001	99.4	103.3	105.0	93.2	26	109.3	96.8	104.0
2002	100.0	100.0	100.0	100.0	28	100.0	100.0	100.0
2003	104.4	104.5	104.1	107.3	30	96.0	105.9	100.1

**Table 2-11**  
**Productivity and related measures — Construction**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	91.5	34.6	35.3	49.6	1,057	23.7	34.7	37.8
1962	90.5	35.5	36.5	53.3	1,127	23.4	35.4	39.2
1963	90.0	36.3	36.9	54.8	1,146	23.2	36.6	40.3
1964	90.6	39.6	39.0	56.8	1,177	24.7	40.6	43.6
1965	90.3	42.8	41.9	61.5	1,256	27.1	44.1	47.4
1966	88.4	45.6	43.3	67.4	1,365	29.0	47.9	51.6
1967	90.3	45.6	43.9	63.8	1,285	30.5	47.4	50.5
1968	92.9	47.5	46.7	62.7	1,256	32.1	48.7	51.1
1969	92.5	49.0	46.1	62.2	1,241	33.2	51.7	52.9
1970	94.3	49.2	47.2	59.9	1,193	34.2	51.3	52.1
1971	92.6	52.8	47.9	64.0	1,261	35.3	57.3	57.1
1972	92.3	53.9	48.0	64.3	1,262	36.8	59.0	58.4
1973	89.9	55.8	49.5	71.4	1,388	38.7	61.3	62.1
1974	88.9	57.7	51.3	75.8	1,468	40.9	63.3	64.8
1975	92.7	60.3	56.3	74.5	1,437	43.8	63.8	65.1
1976	96.6	63.8	62.6	73.9	1,419	48.7	64.7	66.0
1977	99.0	66.2	66.4	73.1	1,398	52.8	66.0	66.9
1978	97.0	67.3	65.2	74.5	1,421	56.0	69.0	69.4
1979	96.6	70.1	66.7	77.0	1,469	57.4	72.7	72.5
1980	99.9	72.8	71.7	75.8	1,439	58.6	73.7	72.9
1981	100.9	76.5	75.6	77.9	1,474	60.5	77.2	75.8
1982	103.7	70.2	74.6	69.6	1,303	62.0	67.2	67.7
1983	103.1	69.3	73.1	68.9	1,287	62.1	66.6	67.2
1984	101.6	69.5	70.3	68.3	1,280	62.8	68.8	68.4
1985	101.5	74.3	73.7	73.1	1,370	62.7	74.4	73.1
1986	101.4	75.0	75.1	74.4	1,394	64.6	74.8	73.9
1987	100.2	81.7	80.3	83.8	1,570	66.9	82.4	81.5
1988	99.6	85.0	83.7	88.7	1,658	70.5	85.7	85.4
1989	99.7	89.3	88.8	93.9	1,749	74.6	89.3	89.6
1990	99.4	88.2	89.5	94.7	1,760	77.2	87.0	88.7
1991	98.4	80.8	80.3	85.0	1,569	78.1	80.9	82.0
1992	97.1	77.3	75.4	81.6	1,500	78.8	78.6	79.6
1993	95.9	75.9	73.0	80.9	1,478	80.1	78.0	79.2
1994	95.3	79.6	74.8	85.1	1,549	80.1	83.1	83.5
1995	95.0	74.0	72.9	83.4	1,515	79.0	74.8	77.8
1996	96.0	76.1	75.2	84.3	1,531	78.0	76.8	79.3
1997	95.9	82.8	78.4	88.4	1,598	80.9	86.1	86.4
1998	96.9	82.9	81.0	88.3	1,603	83.9	84.3	85.5
1999	97.6	86.0	84.7	90.6	1,646	87.2	86.9	88.1
2000	98.0	90.2	89.4	94.5	1,710	91.4	90.8	92.1
2001	99.7	96.7	96.0	97.1	1,731	95.0	97.3	97.0
2002	100.0	100.0	100.0	100.0	1,798	100.0	100.0	100.0
2003	100.0	104.5	103.5	103.5	1,857	103.2	105.3	104.5

**Table 2-12**  
**Productivity and related measures — Food manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	90.0	36.8	38.7	81.8	431	35.5	36.1	40.8
1962	91.3	38.4	42.0	82.8	434	37.0	37.2	42.0
1963	91.5	39.7	42.8	82.4	430	38.4	38.7	43.4
1964	92.0	42.2	44.6	85.2	442	38.0	41.4	45.9
1965	92.9	43.8	47.5	87.0	447	39.3	42.6	47.1
1966	92.8	45.3	48.8	88.1	452	41.8	44.1	48.8
1967	92.5	47.2	50.3	91.3	466	44.3	46.2	51.0
1968	92.5	48.0	51.0	92.4	470	45.1	47.0	51.9
1969	92.4	48.5	50.3	90.4	459	45.6	47.9	52.5
1970	92.2	49.9	51.1	90.8	460	48.7	49.4	54.1
1971	94.2	51.8	55.7	90.3	454	49.4	50.5	55.0
1972	94.6	53.7	57.3	90.9	454	50.1	52.5	56.8
1973	95.5	54.2	60.5	91.0	452	51.8	52.3	56.8
1974	95.2	55.3	59.7	89.1	441	54.2	53.8	58.1
1975	94.9	55.0	59.3	89.1	438	55.5	53.6	58.0
1976	97.2	58.8	65.4	87.5	427	56.7	56.8	60.6
1977	97.8	61.1	67.9	88.4	429	57.4	59.0	62.5
1978	98.6	62.9	72.6	90.9	441	59.4	60.0	63.8
1979	98.8	64.2	75.3	92.9	448	62.0	61.0	65.0
1980	97.9	65.9	74.7	93.6	451	66.8	63.2	67.3
1981	98.0	67.1	74.2	92.2	442	67.0	64.7	68.5
1982	98.0	66.3	72.9	88.1	418	68.8	64.1	67.7
1983	98.2	66.7	72.5	86.0	403	69.1	64.7	67.9
1984	99.0	68.4	75.5	87.2	405	68.9	66.0	69.0
1985	99.4	70.4	78.5	89.7	414	69.8	67.6	70.8
1986	98.6	70.7	77.8	92.3	423	70.5	68.3	71.7
1987	97.9	72.1	77.7	94.4	430	73.1	70.2	73.6
1988	97.2	72.9	77.9	96.2	437	76.3	71.3	75.1
1989	96.0	72.8	76.4	97.6	442	80.0	71.5	75.8
1990	96.5	72.8	78.2	96.0	431	82.3	71.0	75.5
1991	97.1	72.6	79.2	92.8	414	84.2	70.3	74.8
1992	96.5	73.2	79.8	95.0	420	86.9	70.8	75.8
1993	96.7	73.5	79.8	94.8	416	86.1	71.3	76.1
1994	97.3	74.9	81.8	95.3	416	86.3	72.5	77.0
1995	97.6	77.0	83.1	95.3	415	87.1	74.9	78.9
1996	96.9	79.1	82.9	96.8	419	89.9	77.7	81.6
1997	96.8	80.5	83.2	97.0	416	91.4	79.5	83.2
1998	97.9	84.5	87.3	95.8	410	93.5	83.4	86.3
1999	97.1	87.8	89.6	102.2	442	98.2	87.1	90.4
2000	98.6	94.8	93.7	99.8	426	97.5	95.3	96.1
2001	100.5	98.3	100.8	100.2	428	97.8	97.5	97.9
2002	100.0	100.0	100.0	100.0	420	100.0	100.0	100.0
2003	99.2	101.5	98.7	102.5	429	100.8	102.5	102.3

**Table 2-13**  
**Productivity and related measures — Beverage and tobacco product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	77.0	50.2	56.7	145.7	104	76.9	45.7	65.2
1962	77.3	52.0	58.8	149.4	106	79.3	47.3	67.3
1963	80.5	55.1	64.5	148.0	103	79.9	48.7	68.4
1964	80.9	56.7	67.5	150.3	104	83.7	49.5	70.1
1965	82.6	60.0	72.4	152.6	105	86.3	51.7	72.6
1966	85.4	66.3	80.8	154.4	106	91.2	56.7	77.6
1967	85.3	70.4	84.5	164.2	112	94.6	61.0	82.5
1968	82.5	69.9	81.3	167.7	114	99.8	62.0	84.7
1969	84.1	74.5	88.4	164.0	112	109.3	65.1	88.6
1970	84.7	78.2	93.9	163.8	112	118.3	67.6	92.3
1971	86.5	81.6	100.7	163.6	111	123.4	69.0	94.4
1972	88.1	83.1	105.1	162.3	110	124.5	68.9	94.3
1973	90.6	88.3	113.3	163.3	110	127.4	72.2	97.5
1974	91.4	91.2	114.8	164.9	111	124.5	75.7	99.8
1975	89.7	89.2	113.4	166.5	111	131.3	73.6	99.5
1976	89.1	89.6	110.4	160.7	107	133.6	75.5	100.6
1977	90.0	91.7	116.0	163.8	108	138.1	75.8	101.9
1978	89.1	90.6	112.5	166.4	108	133.3	76.0	101.6
1979	89.8	93.7	115.0	168.6	109	132.8	79.2	104.3
1980	89.1	91.7	112.5	167.9	106	132.4	77.7	103.0
1981	90.5	95.0	114.8	166.4	106	129.0	81.4	105.0
1982	88.3	91.5	106.6	162.4	102	128.1	80.4	103.6
1983	87.9	88.8	103.0	154.4	96	128.2	78.4	101.1
1984	87.7	91.1	106.1	157.5	98	134.4	80.1	103.9
1985	86.8	90.5	103.9	158.1	98	134.7	80.6	104.3
1986	86.1	92.2	99.6	156.7	97	129.6	85.9	107.0
1987	88.6	91.9	103.1	151.3	93	126.2	83.1	103.7
1988	91.8	95.7	110.8	153.2	94	123.5	84.4	104.2
1989	91.1	93.0	107.3	152.1	92	121.1	82.2	102.1
1990	90.0	88.0	102.9	146.4	87	121.1	76.9	97.8
1991	90.2	86.6	100.7	141.5	83	118.4	76.1	96.0
1992	91.8	88.0	101.5	135.4	79	116.4	78.0	95.9
1993	91.5	88.9	101.5	141.6	82	114.4	79.4	97.1
1994	95.9	93.8	107.5	132.4	75	111.9	83.6	97.8
1995	95.5	93.0	107.6	133.5	75	113.0	82.2	97.4
1996	95.9	94.1	104.8	127.2	71	109.9	86.0	98.1
1997	95.7	98.6	105.6	128.4	72	111.2	93.3	103.0
1998	98.7	103.9	111.0	122.5	68	111.0	98.4	105.3
1999	96.3	98.8	101.3	117.0	64	107.3	96.9	102.6
2000	100.0	107.7	104.6	109.4	63	102.1	110.1	107.6
2001	99.3	101.9	100.3	105.9	59	100.3	103.2	102.7
2002	100.0	100.0	100.0	100.0	56	100.0	100.0	100.0
2003	96.1	96.9	95.8	112.6	62	101.1	97.9	100.9

**Table 2-14**  
**Productivity and related measures — Textile and textile product mills**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	70.3	29.2	29.1	89.5	110	54.2	29.2	41.5
1962	73.9	32.6	34.9	93.5	115	55.6	31.4	44.1
1963	74.7	34.9	37.8	97.3	119	59.0	33.4	46.7
1964	73.6	37.8	39.5	103.4	125	68.8	36.9	51.4
1965	73.8	40.5	42.1	104.7	126	79.8	39.6	54.8
1966	73.0	41.9	41.8	103.6	124	88.3	41.9	57.3
1967	72.9	42.5	42.3	104.9	125	90.6	42.7	58.3
1968	76.0	45.1	45.7	99.8	119	89.4	44.8	59.3
1969	77.7	47.8	49.0	100.0	119	91.5	47.2	61.5
1970	76.7	46.3	46.2	95.6	113	94.6	46.5	60.4
1971	79.5	50.6	50.6	94.9	112	94.4	50.6	63.6
1972	81.9	56.1	58.1	101.4	118	97.6	55.1	68.5
1973	81.2	57.6	59.6	106.5	123	102.3	56.5	70.9
1974	81.9	58.1	61.2	104.6	120	107.6	56.5	70.9
1975	82.3	56.0	60.4	98.6	112	112.9	53.7	68.0
1976	86.1	57.5	64.5	92.4	105	109.5	53.9	66.8
1977	87.7	57.1	64.3	87.5	98	103.3	53.4	65.1
1978	89.3	61.1	69.6	92.1	103	100.0	56.8	68.4
1979	91.0	67.0	75.7	96.7	108	97.8	62.5	73.6
1980	89.3	66.0	74.3	101.3	112	98.5	61.7	73.9
1981	96.2	81.2	94.0	104.9	115	96.5	74.9	84.5
1982	92.0	68.1	74.9	93.2	101	92.5	64.5	74.0
1983	96.1	80.4	91.9	105.7	112	90.2	74.5	83.7
1984	96.7	79.8	91.8	102.1	107	91.0	73.8	82.5
1985	94.6	78.2	87.0	103.3	107	90.8	73.6	82.6
1986	96.1	86.1	93.8	106.9	110	93.9	82.0	89.6
1987	95.5	90.7	94.1	108.3	111	96.9	88.8	95.0
1988	92.8	89.6	90.7	114.2	116	99.4	88.9	96.6
1989	92.7	87.6	88.8	110.3	112	102.0	86.9	94.6
1990	92.0	81.1	82.2	100.8	102	105.0	80.4	88.2
1991	90.5	73.5	76.0	96.9	98	102.7	72.1	81.3
1992	91.2	69.3	70.0	85.7	86	97.3	68.9	76.0
1993	91.7	71.1	73.4	90.0	90	97.1	69.8	77.6
1994	93.8	76.4	79.1	91.9	92	97.6	74.8	81.5
1995	94.5	77.6	82.0	95.2	94	95.5	74.9	82.1
1996	92.8	78.3	78.9	94.1	93	100.9	77.8	84.4
1997	94.8	84.2	84.7	95.5	93	101.0	83.8	88.8
1998	97.2	90.7	93.6	96.7	94	108.4	89.0	93.4
1999	96.9	93.5	94.8	97.7	94	112.3	92.6	96.4
2000	99.9	103.6	103.4	101.0	96	108.5	103.8	103.7
2001	99.6	98.3	98.4	94.7	90	108.3	98.3	98.7
2002	100.0	100.0	100.0	100.0	93	100.0	100.0	100.0
2003	98.2	93.6	87.4	88.6	82	97.6	97.6	95.4

**Table 2-15**  
**Productivity and related measures — Clothing manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	76.0	47.1	51.9	111.5	227	61.2	44.1	61.9
1962	77.5	49.5	55.2	112.9	229	62.3	46.1	63.9
1963	78.4	52.1	57.3	113.5	229	64.5	48.9	66.5
1964	78.1	55.0	59.2	118.0	237	67.1	52.4	70.4
1965	78.8	57.9	61.7	119.7	240	70.1	55.4	73.4
1966	79.2	60.5	63.0	120.3	240	72.4	58.8	76.4
1967	78.3	59.6	61.2	120.1	239	72.3	58.5	76.1
1968	79.3	63.8	64.0	122.6	243	72.2	63.6	80.5
1969	78.9	65.9	64.9	125.0	247	76.8	66.6	83.6
1970	78.9	66.4	64.7	124.3	245	75.8	67.6	84.2
1971	80.7	71.2	68.6	125.4	246	74.8	72.9	88.2
1972	81.7	76.8	73.6	130.2	253	78.5	79.1	94.0
1973	83.5	80.5	79.1	131.0	253	85.5	81.3	96.4
1974	84.1	79.8	79.2	127.6	245	87.6	80.1	94.8
1975	85.6	82.4	82.2	126.7	242	88.1	82.5	96.3
1976	87.8	87.4	87.5	127.4	241	87.8	87.3	99.6
1977	89.5	84.5	85.5	117.6	220	86.5	83.6	94.4
1978	91.4	89.6	92.8	121.7	226	88.5	87.2	98.0
1979	92.7	93.4	97.9	123.0	226	92.8	90.0	100.7
1980	91.0	88.7	93.1	121.2	222	95.5	85.5	97.5
1981	91.8	88.0	93.9	120.5	220	92.6	83.7	95.8
1982	90.4	79.4	83.6	110.4	200	87.6	76.3	87.8
1983	89.7	83.0	85.1	116.7	210	85.2	81.5	92.6
1984	92.5	86.7	90.9	114.9	208	87.2	83.7	93.8
1985	93.4	89.8	92.7	114.0	207	88.2	87.7	96.1
1986	93.0	96.5	97.5	122.5	221	91.2	95.8	103.9
1987	94.6	100.7	102.5	121.2	218	96.7	99.3	106.4
1988	91.9	100.3	100.7	127.0	227	103.4	99.8	109.1
1989	92.2	102.9	100.1	123.8	220	105.7	104.7	111.6
1990	92.9	97.1	94.1	112.0	201	103.3	99.2	104.5
1991	92.6	86.6	83.8	98.6	175	97.8	88.6	93.5
1992	94.3	83.1	82.2	91.1	161	97.1	83.6	88.2
1993	94.2	83.6	83.4	94.6	165	93.7	83.5	88.8
1994	95.6	84.6	86.1	93.0	161	96.4	83.3	88.5
1995	98.8	87.3	91.9	90.9	157	98.5	83.6	88.4
1996	98.3	84.9	90.5	89.9	158	99.5	80.5	86.4
1997	100.6	89.1	96.7	93.2	156	96.8	83.3	88.5
1998	100.4	88.3	96.7	93.0	155	98.9	81.8	87.9
1999	97.2	89.1	93.6	93.3	161	108.5	85.7	91.7
2000	102.7	107.5	114.0	105.8	180	109.8	102.4	104.7
2001	99.3	104.7	107.7	112.2	187	103.3	102.5	105.4
2002	100.0	100.0	100.0	100.0	168	100.0	100.0	100.0
2003	102.1	98.5	96.4	90.3	153	95.6	100.2	96.5

**Table 2-16**  
**Productivity and related measures — Leather and allied product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	76.6	170.9	162.8	400.9	81	105.7	176.2	223.1
1962	78.5	180.2	177.4	411.8	83	107.2	181.6	229.5
1963	78.9	183.1	178.1	406.0	82	109.8	186.1	231.9
1964	81.1	192.9	189.2	404.5	81	111.0	195.0	237.9
1965	81.1	192.7	187.1	397.6	80	111.8	196.3	237.5
1966	80.4	194.7	183.5	397.3	80	113.2	202.7	242.0
1967	80.0	186.4	176.7	384.7	77	115.8	193.2	233.1
1968	80.4	194.8	180.7	390.4	78	115.1	205.5	242.4
1969	81.1	196.1	180.7	380.0	76	117.2	207.9	241.9
1970	81.5	184.7	170.2	351.5	70	113.3	195.8	226.7
1971	82.4	191.8	173.5	348.7	70	113.9	206.3	232.9
1972	81.7	184.2	169.4	340.9	68	124.1	196.1	225.4
1973	83.5	188.7	174.8	331.8	67	126.1	199.8	225.9
1974	85.0	194.6	179.9	323.3	65	131.3	206.3	228.9
1975	85.7	193.2	179.9	314.1	63	134.8	203.7	225.5
1976	89.1	205.4	195.4	311.5	63	133.4	213.3	230.7
1977	90.2	188.8	182.5	277.8	56	130.3	193.8	209.3
1978	94.3	211.8	213.3	294.2	60	130.8	211.3	224.6
1979	94.4	215.4	217.4	298.0	60	135.4	214.7	228.2
1980	92.9	205.7	206.3	293.7	60	135.2	205.6	221.4
1981	92.9	215.9	216.2	315.1	64	133.3	216.1	232.4
1982	93.9	183.9	187.6	256.9	52	125.5	181.6	195.8
1983	96.2	189.1	196.9	255.0	51	124.4	184.0	196.6
1984	99.9	197.9	216.8	256.7	51	126.0	185.2	198.1
1985	97.3	196.1	204.9	255.3	50	131.0	190.1	201.6
1986	96.4	193.6	200.0	256.9	51	126.6	189.3	200.8
1987	96.3	184.4	187.3	235.1	46	129.3	182.5	191.6
1988	96.6	174.2	179.0	218.1	43	131.4	171.0	180.3
1989	97.8	168.3	172.3	201.3	40	126.3	165.7	172.0
1990	96.5	146.7	148.4	173.7	35	122.5	145.5	151.9
1991	92.5	119.9	118.4	149.2	30	120.5	121.0	129.6
1992	97.4	114.3	119.0	131.5	27	111.3	110.9	117.3
1993	95.7	117.6	120.8	142.6	29	108.5	115.3	122.8
1994	98.5	123.3	129.0	141.6	28	110.3	119.2	125.2
1995	95.5	112.6	114.8	134.3	26	109.6	110.8	117.9
1996	91.6	103.3	95.9	123.7	24	104.5	108.3	112.8
1997	96.2	112.9	109.0	123.6	24	106.2	115.4	117.3
1998	95.3	106.1	100.3	114.2	22	107.1	109.9	111.3
1999	91.0	99.5	95.6	119.0	22	121.7	101.9	109.3
2000	101.1	117.1	115.6	110.5	20	119.5	117.6	115.9
2001	100.3	107.0	99.1	96.5	19	104.8	112.1	106.7
2002	100.0	100.0	100.0	100.0	18	100.0	100.0	100.0
2003	97.0	88.7	85.6	90.5	17	97.6	90.9	91.5

**Table 2-17**  
**Productivity and related measures — Wood product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	72.6	18.9	17.9	57.1	194	24.1	19.5	26.1
1962	74.9	20.7	20.1	59.6	200	24.0	21.0	27.6
1963	77.0	22.4	22.5	62.7	208	24.3	22.2	29.0
1964	78.0	24.0	24.2	65.4	215	25.4	23.8	30.8
1965	78.0	24.6	25.2	67.2	218	27.2	24.2	31.6
1966	78.0	25.4	25.5	67.5	218	28.3	25.2	32.5
1967	79.0	25.9	26.5	67.7	216	28.7	25.5	32.8
1968	81.2	27.9	28.7	68.0	216	29.2	27.4	34.4
1969	79.5	29.1	28.8	69.3	219	34.2	29.2	36.6
1970	80.1	28.9	29.2	66.5	209	38.4	28.6	36.0
1971	79.7	31.0	30.9	71.5	222	40.5	31.0	38.9
1972	78.2	33.9	32.3	79.9	245	43.1	34.7	43.3
1973	77.2	37.3	34.9	87.2	265	50.0	38.7	48.3
1974	77.7	36.6	35.6	82.8	250	56.0	37.1	47.1
1975	77.1	33.2	32.6	75.3	227	58.0	33.5	43.1
1976	80.8	40.0	40.1	82.9	248	58.5	39.8	49.5
1977	82.9	42.6	44.1	86.1	256	58.5	41.6	51.4
1978	82.2	44.6	45.4	91.6	272	59.6	44.0	54.2
1979	81.6	46.0	46.1	94.3	280	62.1	45.9	56.3
1980	83.8	46.0	48.1	88.7	263	66.5	44.8	54.9
1981	81.1	40.7	40.9	81.9	242	66.8	40.5	50.2
1982	80.3	34.8	34.4	69.2	202	64.8	34.9	43.4
1983	85.2	42.6	42.3	72.5	208	61.5	42.6	50.0
1984	89.1	46.1	47.7	72.0	205	60.2	45.1	51.8
1985	92.1	49.9	53.4	74.2	210	58.2	47.9	54.2
1986	91.0	51.5	54.0	78.4	220	58.2	50.0	56.5
1987	92.8	58.5	61.9	86.5	240	61.7	56.6	63.1
1988	92.5	60.9	63.8	87.5	241	68.8	59.3	65.9
1989	91.8	60.4	62.6	87.6	239	70.0	59.0	65.8
1990	92.2	56.8	58.6	79.2	216	70.2	55.6	61.6
1991	93.6	51.4	53.8	68.4	185	67.1	50.0	54.9
1992	94.1	54.5	57.0	72.3	196	64.1	53.0	57.9
1993	93.0	57.8	59.7	80.8	218	64.7	56.7	62.2
1994	91.0	62.0	61.9	88.7	239	71.3	61.9	68.1
1995	90.0	65.5	64.3	89.8	243	82.3	66.0	72.7
1996	89.9	67.9	66.7	92.9	251	86.1	68.5	75.5
1997	91.4	77.0	74.9	98.0	262	94.2	78.1	84.3
1998	93.3	79.3	78.7	94.7	252	96.2	79.6	85.0
1999	94.2	84.9	84.7	102.7	276	97.5	84.9	90.2
2000	95.4	97.5	94.0	106.0	280	108.7	99.6	102.3
2001	95.4	93.1	89.7	101.4	268	103.1	95.1	97.5
2002	100.0	100.0	100.0	100.0	265	100.0	100.0	100.0
2003	101.0	101.4	101.8	98.6	258	99.4	101.2	100.4

**Table 2-18**  
**Productivity and related measures — Paper manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	88.2	34.6	37.1	76.9	219	37.9	32.7	39.2
1962	88.9	36.2	38.7	80.1	226	38.2	34.2	40.7
1963	89.3	37.8	39.9	81.6	227	39.0	36.1	42.4
1964	89.5	41.3	43.5	87.3	240	42.7	39.5	46.1
1965	87.8	43.3	44.5	89.8	244	48.2	42.1	49.3
1966	86.5	46.8	47.6	96.6	259	56.0	45.9	54.1
1967	84.0	46.7	46.2	98.9	264	60.9	46.7	55.6
1968	85.5	49.0	48.7	100.0	265	60.7	48.8	57.3
1969	87.3	53.4	53.5	104.9	276	62.1	52.9	61.2
1970	86.4	53.4	53.3	105.6	276	65.9	53.1	61.9
1971	85.9	53.8	53.0	105.1	272	68.3	53.8	62.6
1972	88.0	57.8	57.5	107.7	276	68.4	57.5	65.6
1973	89.6	61.4	60.6	109.5	277	67.7	61.4	68.5
1974	91.8	67.3	66.8	115.8	290	68.6	67.1	73.3
1975	83.8	53.0	50.0	101.9	253	68.3	54.7	63.2
1976	87.7	61.0	59.7	112.3	276	69.0	61.5	69.5
1977	88.9	61.1	60.6	108.4	264	69.7	61.2	68.8
1978	92.7	66.7	68.3	111.8	270	68.0	65.4	71.9
1979	92.5	68.7	68.6	114.6	275	67.1	68.4	74.2
1980	92.3	70.2	70.1	115.8	276	70.6	70.0	76.1
1981	89.8	68.8	69.0	117.5	278	78.5	68.4	76.6
1982	87.9	62.5	61.3	106.1	248	81.6	62.9	71.2
1983	92.6	67.2	69.8	103.8	240	77.7	65.6	72.5
1984	94.1	71.0	73.5	105.4	242	75.8	69.5	75.4
1985	93.9	72.2	73.1	103.3	235	79.5	71.6	76.9
1986	93.8	76.6	75.7	108.0	245	81.4	76.9	81.6
1987	93.1	80.3	78.4	113.5	256	86.9	81.2	86.3
1988	91.5	82.3	79.8	113.0	254	98.6	83.6	89.9
1989	87.5	81.3	78.4	113.4	253	119.3	83.0	92.9
1990	86.7	78.5	77.5	109.6	243	129.3	79.0	90.6
1991	86.4	76.3	75.0	105.9	232	130.7	76.9	88.3
1992	87.8	77.5	77.1	102.7	224	129.9	77.8	88.3
1993	90.2	81.4	82.6	100.2	215	127.3	81.1	90.3
1994	91.3	88.0	87.3	103.1	220	122.5	88.5	96.4
1995	90.1	90.4	88.0	109.2	231	127.7	91.7	100.4
1996	90.7	90.4	88.8	105.5	222	129.1	91.1	99.6
1997	91.8	92.6	90.2	104.1	218	126.3	94.0	100.9
1998	92.7	88.2	87.9	98.7	205	120.6	88.2	95.1
1999	95.9	96.6	96.7	103.4	214	114.7	96.4	100.8
2000	98.2	100.9	100.4	100.7	210	110.9	101.1	102.8
2001	97.0	97.7	95.3	102.1	209	105.8	99.0	100.7
2002	100.0	100.0	100.0	100.0	205	100.0	100.0	100.0
2003	99.7	101.5	100.6	102.6	210	99.8	101.9	101.7

**Table 2-19**  
**Productivity and related measures — Printing and related support activities**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	102.5	27.1	39.8	42.4	94	22.5	19.0	26.5
1962	105.2	28.6	42.8	43.3	95	23.1	19.6	27.2
1963	105.7	29.8	44.3	44.1	96	24.5	20.6	28.2
1964	104.2	30.6	44.4	45.1	98	26.7	21.7	29.4
1965	104.3	32.5	46.7	47.4	102	27.8	23.2	31.2
1966	104.7	34.8	49.5	49.8	106	29.4	25.2	33.3
1967	104.3	35.8	50.4	51.2	108	29.6	26.2	34.3
1968	104.5	36.9	51.5	52.2	110	30.0	27.1	35.3
1969	104.5	38.4	52.5	53.3	112	30.7	28.8	36.7
1970	103.8	38.7	52.5	53.8	112	31.7	29.3	37.3
1971	104.3	40.0	53.5	54.1	112	32.9	30.7	38.4
1972	106.0	42.7	56.1	54.8	113	33.2	33.5	40.3
1973	106.2	44.7	58.7	57.3	118	34.4	34.9	42.1
1974	102.4	44.0	54.8	57.4	118	35.5	36.2	43.0
1975	106.2	45.8	59.1	57.1	117	36.2	36.5	43.1
1976	113.6	50.7	67.0	56.1	114	36.6	39.4	44.6
1977	115.4	53.2	70.5	57.3	116	37.0	41.3	46.1
1978	116.5	56.7	74.3	59.0	120	38.7	44.5	48.7
1979	113.2	58.1	74.3	62.7	127	41.4	46.5	51.3
1980	111.4	61.3	76.9	66.9	135	45.0	49.9	55.0
1981	115.7	65.2	82.8	65.7	132	46.4	52.5	56.3
1982	112.4	61.8	77.2	65.1	130	45.9	50.5	54.9
1983	109.6	63.7	78.2	70.8	139	45.7	52.9	58.1
1984	114.1	71.4	87.8	72.4	142	49.0	59.3	62.6
1985	114.7	75.8	92.0	75.0	147	50.5	63.7	66.1
1986	112.0	80.0	92.2	79.2	154	53.2	70.2	71.4
1987	107.4	80.1	88.8	83.5	161	56.0	72.6	74.5
1988	108.2	85.4	94.6	87.0	167	60.4	77.4	78.9
1989	107.3	87.0	98.1	90.6	173	67.6	77.8	81.1
1990	109.5	89.1	106.2	92.0	174	75.3	75.7	81.3
1991	102.9	81.4	90.7	86.1	162	84.1	73.8	79.1
1992	103.2	79.0	89.4	83.6	155	85.0	70.5	76.5
1993	99.7	74.4	81.8	81.9	153	84.3	68.3	74.6
1994	97.9	75.0	80.3	83.5	156	85.3	70.6	76.6
1995	95.1	74.7	77.5	86.4	158	85.6	72.3	78.5
1996	93.9	77.8	78.8	90.5	165	88.8	77.0	82.8
1997	95.8	81.2	82.4	91.1	164	87.8	80.3	84.8
1998	93.8	81.7	82.1	94.5	167	92.9	81.5	87.2
1999	93.2	85.9	83.8	97.2	172	97.3	87.9	92.2
2000	97.9	98.2	95.9	99.6	176	101.9	100.3	100.4
2001	101.6	104.8	106.8	103.7	182	102.6	102.9	103.1
2002	100.0	100.0	100.0	100.0	175	100.0	100.0	100.0
2003	98.8	102.7	97.4	97.0	167	105.0	107.6	103.9

**Table 2-20**  
**Productivity and related measures — Petroleum and coal products manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	86.5	34.8	16.4	82.6	35	48.3	36.6	40.2
1962	90.3	37.0	21.0	83.8	36	48.8	37.4	40.9
1963	91.2	39.8	21.8	81.3	34	48.5	40.6	43.7
1964	92.4	41.4	23.2	82.1	34	47.0	42.0	44.8
1965	93.2	43.2	23.6	76.6	32	46.5	44.0	46.3
1966	93.8	45.5	25.7	82.5	34	47.5	46.0	48.5
1967	91.8	46.6	25.5	100.6	42	50.5	47.5	50.8
1968	92.5	49.9	27.1	98.3	41	54.3	50.8	53.9
1969	92.3	51.5	27.1	98.3	41	57.0	52.8	55.9
1970	92.0	54.0	27.0	98.2	41	62.2	55.8	58.7
1971	92.7	58.4	28.3	95.1	39	64.1	60.5	63.0
1972	93.2	64.1	29.9	93.3	38	68.6	66.8	68.7
1973	94.3	72.6	35.0	96.4	40	76.7	75.4	77.0
1974	93.4	75.8	37.8	103.6	43	81.5	79.3	81.1
1975	93.0	74.4	36.1	99.3	41	89.3	78.0	80.0
1976	93.9	75.2	39.6	92.8	38	91.0	78.3	80.1
1977	94.4	81.7	44.2	96.6	40	93.8	84.9	86.6
1978	93.7	81.9	43.4	109.9	45	94.2	85.3	87.5
1979	93.9	86.5	43.7	105.2	44	91.4	90.3	92.1
1980	93.3	85.1	41.2	113.6	47	91.2	89.1	91.2
1981	93.4	82.7	49.1	126.7	52	98.4	86.0	88.5
1982	93.6	69.9	49.6	113.1	45	107.5	72.3	74.7
1983	93.7	68.9	47.2	98.9	39	107.5	71.4	73.6
1984	94.2	69.7	49.1	94.0	36	103.9	72.1	74.0
1985	94.0	68.2	46.8	91.0	35	104.9	70.6	72.5
1986	94.7	67.5	48.9	92.9	36	97.3	69.5	71.2
1987	96.0	70.8	54.2	93.2	36	91.2	72.5	73.7
1988	97.4	72.9	63.3	94.3	36	93.7	73.5	74.8
1989	97.9	75.7	69.2	92.4	35	96.9	76.1	77.3
1990	98.0	77.4	74.2	94.1	35	105.3	77.6	79.0
1991	97.7	74.8	70.2	86.6	32	108.6	75.2	76.6
1992	98.7	74.7	74.5	86.6	31	101.5	74.6	75.7
1993	98.3	75.8	74.9	97.2	34	94.4	75.8	77.1
1994	99.0	76.7	77.5	90.2	31	92.1	76.5	77.4
1995	99.1	78.1	75.8	87.2	29	89.2	78.2	78.8
1996	99.8	83.1	78.6	82.5	28	85.6	83.4	83.3
1997	99.6	85.2	82.4	92.4	30	87.9	85.3	85.5
1998	100.4	87.7	92.5	95.8	31	88.9	87.2	87.4
1999	99.9	88.3	88.6	98.3	32	87.2	88.2	88.4
2000	99.6	90.6	88.9	104.6	35	89.3	90.7	91.0
2001	100.6	95.7	99.9	97.8	32	93.3	95.3	95.2
2002	100.0	100.0	100.0	100.0	32	100.0	100.0	100.0
2003	98.7	103.0	101.2	123.5	40	110.5	103.2	104.4

**Table 2-21**  
**Productivity and related measures — Chemical manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	67.6	16.6	13.7	69.0	163	21.8	18.5	24.6
1962	70.1	18.2	15.2	71.0	166	22.0	19.9	26.0
1963	71.4	19.7	16.5	74.0	172	22.5	21.7	27.6
1964	73.2	21.8	18.4	77.8	179	23.9	23.8	29.8
1965	71.9	23.5	19.5	82.2	188	27.8	26.0	32.7
1966	72.4	25.5	21.3	84.2	191	31.4	28.1	35.3
1967	72.1	26.3	21.9	86.1	194	33.7	28.9	36.5
1968	73.1	27.8	23.4	88.4	198	35.3	30.4	38.1
1969	75.2	30.3	25.8	91.6	204	35.5	32.9	40.3
1970	74.5	30.2	25.5	92.7	206	35.9	33.0	40.5
1971	76.6	31.9	27.1	92.1	204	35.4	34.6	41.6
1972	78.8	33.7	28.9	91.6	202	35.0	36.4	42.7
1973	81.4	37.5	32.2	94.3	207	35.5	40.6	46.1
1974	80.5	38.3	32.5	95.0	207	38.8	41.7	47.6
1975	77.0	36.0	30.0	93.2	202	44.4	39.6	46.8
1976	78.4	38.1	32.5	91.2	197	49.6	41.3	48.6
1977	80.2	41.3	36.1	91.9	197	54.1	44.2	51.5
1978	83.4	47.2	42.1	94.4	201	57.7	50.0	56.6
1979	84.1	52.1	45.6	100.4	213	60.0	55.8	62.0
1980	82.9	52.0	43.9	101.3	213	60.8	56.6	62.8
1981	84.7	55.3	49.0	100.4	210	66.3	58.9	65.3
1982	82.7	50.8	45.5	96.6	199	71.5	53.9	61.4
1983	85.5	54.7	51.4	98.9	202	70.6	56.9	63.9
1984	88.4	58.8	56.4	99.1	201	68.9	60.5	66.5
1985	89.0	60.9	57.2	97.9	197	68.5	63.3	68.3
1986	89.3	62.7	58.4	99.4	200	69.1	65.5	70.2
1987	90.5	66.0	62.1	104.8	209	69.3	68.6	73.0
1988	91.8	67.7	65.3	108.7	216	69.1	69.2	73.7
1989	92.5	69.3	67.9	109.3	216	71.1	70.1	74.9
1990	91.3	68.8	68.1	113.2	222	74.0	69.2	75.4
1991	89.0	64.0	63.7	108.1	210	76.5	64.0	71.9
1992	89.2	65.9	64.5	108.6	208	76.9	66.8	73.9
1993	90.8	68.2	67.7	109.1	207	77.3	68.3	75.1
1994	93.5	72.4	71.6	105.6	199	76.4	72.8	77.4
1995	95.5	74.9	74.3	104.3	195	75.3	75.1	78.4
1996	94.8	76.3	74.7	108.1	202	76.6	77.3	80.5
1997	96.0	79.5	78.5	104.5	193	80.2	80.0	82.8
1998	95.7	79.7	79.7	100.4	185	85.7	79.8	83.3
1999	95.2	82.3	83.0	103.4	189	91.9	82.0	86.5
2000	97.9	92.8	92.1	100.5	184	97.4	93.2	94.9
2001	98.1	95.8	95.2	100.8	183	101.6	96.1	97.7
2002	100.0	100.0	100.0	100.0	182	100.0	100.0	100.0
2003	99.2	103.1	103.0	112.1	199	101.5	103.2	103.9

**Table 2-22**  
**Productivity and related measures — Plastics and rubber products manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	65.3	6.9	6.3	19.9	64	13.9	7.4	10.6
1962	70.6	8.1	7.9	21.3	68	13.4	8.2	11.5
1963	71.2	8.9	8.6	22.8	72	13.8	9.2	12.5
1964	71.7	10.0	9.5	25.1	78	14.9	10.3	14.0
1965	72.2	10.8	10.1	26.2	81	15.7	11.3	15.0
1966	73.1	12.5	11.7	29.3	90	17.3	13.1	17.1
1967	74.6	13.3	12.4	30.1	92	17.3	13.9	17.8
1968	76.5	14.4	13.6	30.9	94	17.7	14.9	18.8
1969	77.6	15.7	14.7	31.8	97	19.3	16.4	20.3
1970	76.3	16.1	14.6	31.9	97	21.1	17.3	21.1
1971	76.7	17.7	16.1	33.4	100	25.0	18.8	23.0
1972	78.0	20.6	18.8	37.6	112	28.0	21.8	26.3
1973	79.0	23.1	21.6	41.3	122	32.2	24.2	29.2
1974	76.8	22.4	20.5	40.5	119	35.0	23.8	29.1
1975	73.7	20.6	18.5	40.1	117	36.0	22.2	28.0
1976	77.4	23.5	21.4	41.8	122	35.4	25.0	30.4
1977	80.0	25.0	23.4	42.1	122	34.9	26.2	31.3
1978	81.3	26.8	25.6	44.7	129	36.2	27.7	33.0
1979	83.4	30.1	28.6	46.6	134	37.6	31.2	36.1
1980	80.0	28.6	26.3	48.0	138	38.8	30.2	35.7
1981	82.1	31.0	28.8	47.7	136	42.1	32.6	37.8
1982	80.7	28.0	26.0	43.9	124	44.0	29.5	34.7
1983	83.7	31.4	29.4	45.4	128	43.6	32.9	37.5
1984	87.7	36.5	36.1	49.9	140	44.9	36.9	41.6
1985	89.0	39.7	39.0	51.5	145	47.6	40.4	44.7
1986	87.1	42.5	39.9	55.1	154	52.8	44.3	48.7
1987	86.8	45.1	42.3	58.1	161	58.1	47.1	51.9
1988	86.2	47.5	46.2	64.8	179	64.2	48.6	55.0
1989	84.5	48.4	45.3	65.6	180	70.8	50.7	57.3
1990	83.2	45.4	43.9	64.3	176	77.1	46.5	54.5
1991	83.1	42.7	41.9	60.5	164	76.4	43.4	51.4
1992	85.6	46.0	45.3	61.1	165	76.4	46.6	53.7
1993	90.1	51.5	52.1	63.4	169	75.1	51.2	57.2
1994	93.1	57.6	58.9	67.1	179	77.2	56.7	61.9
1995	92.8	60.3	61.3	71.0	189	79.3	59.6	65.0
1996	94.3	65.6	65.8	73.6	195	81.2	65.5	69.6
1997	94.4	70.9	71.5	80.1	210	87.1	70.5	75.1
1998	94.3	73.9	73.9	82.7	214	90.9	73.9	78.3
1999	95.3	80.2	80.4	87.6	224	96.3	80.0	84.1
2000	98.0	92.3	92.5	96.0	248	99.3	92.2	94.2
2001	98.1	92.4	92.3	94.4	242	101.0	92.5	94.3
2002	100.0	100.0	100.0	100.0	251	100.0	100.0	100.0
2003	99.0	102.6	99.5	103.3	259	100.6	104.5	103.6

**Table 2-23**  
**Productivity and related measures — Non-metallic mineral product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	70.6	33.0	33.4	79.3	104	61.9	33.1	46.7
1962	74.7	37.9	39.2	84.4	109	61.6	37.3	50.7
1963	75.4	38.8	40.0	85.2	110	61.3	38.3	51.5
1964	76.6	43.2	44.0	91.1	116	64.5	43.1	56.4
1965	77.2	47.7	48.1	97.1	123	70.2	48.0	61.8
1966	76.5	50.0	51.0	100.3	126	81.1	49.7	65.3
1967	73.6	46.9	47.5	98.8	124	85.5	46.9	63.7
1968	76.8	50.8	52.5	100.5	125	85.1	50.1	66.2
1969	77.0	52.3	54.0	101.4	126	89.1	51.5	67.9
1970	75.5	50.4	51.5	97.8	121	93.3	50.2	66.8
1971	81.5	57.8	61.7	102.8	126	90.3	55.2	70.9
1972	85.5	62.9	69.9	106.8	130	92.0	57.7	73.5
1973	86.6	69.0	75.6	111.6	136	98.3	64.2	79.7
1974	86.7	71.8	77.3	113.0	137	101.1	67.9	82.8
1975	85.1	68.5	73.2	109.7	133	101.7	65.4	80.5
1976	86.5	69.8	75.2	106.2	129	104.7	66.1	80.7
1977	86.0	68.5	72.7	100.4	121	108.8	65.6	79.6
1978	87.5	72.4	78.5	105.1	127	111.8	68.2	82.7
1979	87.6	76.4	82.0	107.9	131	118.9	72.5	87.1
1980	83.2	69.9	72.4	107.2	129	119.5	68.1	84.0
1981	82.7	69.4	70.5	105.5	127	119.1	68.6	84.0
1982	79.6	56.2	55.8	89.3	107	110.0	56.5	70.6
1983	83.6	58.7	60.9	88.5	106	101.3	57.1	70.2
1984	87.4	63.5	67.6	90.9	108	95.8	60.8	72.7
1985	90.3	68.2	73.3	93.7	111	92.7	64.8	75.6
1986	90.2	73.7	76.5	101.1	119	92.4	71.9	81.7
1987	92.5	80.4	84.4	108.7	127	93.0	77.6	86.9
1988	92.6	81.4	86.8	110.7	129	96.2	77.7	87.9
1989	90.6	81.4	85.6	111.9	130	102.3	78.6	89.9
1990	88.0	74.9	78.6	105.4	123	105.9	72.4	85.2
1991	84.5	63.6	65.4	93.2	109	101.8	62.5	75.3
1992	86.8	61.2	63.3	84.2	98	94.4	59.8	70.5
1993	88.5	62.4	63.4	81.6	95	88.2	61.8	70.5
1994	88.9	64.7	64.2	82.2	97	87.2	65.2	72.8
1995	88.4	66.0	64.9	85.2	96	87.9	66.9	74.7
1996	89.7	70.9	69.3	89.8	106	87.3	72.2	79.0
1997	93.5	77.5	76.3	89.0	101	88.9	78.5	82.9
1998	95.2	82.1	83.5	90.9	103	96.7	81.1	86.3
1999	94.8	82.0	84.2	90.3	108	101.1	80.4	86.5
2000	96.9	90.7	93.0	97.8	114	102.4	89.1	93.6
2001	99.4	95.1	97.7	97.9	113	100.4	93.2	95.7
2002	100.0	100.0	100.0	100.0	116	100.0	100.0	100.0
2003	100.3	105.2	105.8	107.7	123	102.1	104.9	105.0

**Table 2-24**  
**Productivity and related measures — Primary metal manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	75.9	31.1	27.8	85.3	205	44.7	32.7	40.9
1962	77.5	32.9	31.0	88.5	210	46.9	33.8	42.5
1963	78.5	35.4	33.2	92.3	216	47.2	36.4	45.1
1964	79.3	39.7	37.0	100.5	232	50.2	40.9	50.0
1965	80.5	42.9	41.2	107.7	247	52.5	43.7	53.3
1966	79.3	44.1	42.1	113.4	258	57.8	45.0	55.6
1967	78.3	44.4	41.0	114.2	258	59.5	46.0	56.6
1968	80.5	48.3	45.2	115.9	260	59.2	49.8	60.0
1969	80.8	48.8	45.6	114.3	256	60.6	50.2	60.4
1970	80.6	51.9	48.3	122.0	272	64.8	53.6	64.4
1971	79.0	50.1	45.6	120.8	267	67.4	52.3	63.4
1972	80.1	52.5	48.1	122.2	269	68.4	54.6	65.6
1973	81.8	57.3	52.9	126.2	276	69.5	59.3	70.1
1974	82.1	61.0	56.3	130.9	284	74.9	63.2	74.3
1975	80.1	54.4	50.4	123.7	268	80.6	56.3	67.9
1976	79.5	53.1	48.4	121.0	261	82.5	55.2	66.8
1977	80.6	54.4	52.1	124.9	268	83.6	55.5	67.5
1978	81.5	57.7	55.0	129.1	276	82.0	59.0	70.8
1979	80.0	58.6	53.5	135.5	290	82.0	61.0	73.2
1980	79.7	61.1	54.7	139.1	296	87.3	64.0	76.7
1981	79.3	61.6	53.8	135.4	287	93.7	65.1	77.6
1982	77.8	49.2	44.4	117.4	246	93.6	51.4	63.2
1983	80.8	53.7	47.9	110.7	229	87.8	56.4	66.4
1984	85.5	62.3	59.1	113.6	233	87.2	63.7	72.8
1985	86.3	64.3	61.4	112.2	228	92.2	65.5	74.4
1986	86.2	63.7	60.8	109.9	223	95.9	64.9	73.8
1987	87.7	68.0	65.1	111.8	226	96.8	69.2	77.5
1988	87.8	72.4	68.2	119.1	240	98.0	74.3	82.5
1989	88.6	73.5	71.4	116.0	232	105.9	74.6	83.0
1990	87.7	67.9	66.0	105.2	209	116.0	68.8	77.4
1991	88.1	68.3	65.7	101.2	200	121.1	69.6	77.5
1992	90.4	70.6	68.2	95.3	187	114.8	71.8	78.1
1993	92.1	76.7	72.5	95.6	186	105.8	78.5	83.3
1994	93.0	78.5	73.4	95.6	185	96.8	80.8	84.5
1995	93.5	80.4	76.4	100.4	193	92.9	82.2	86.0
1996	94.7	84.7	79.7	99.8	191	92.4	86.9	89.5
1997	94.2	89.6	80.8	102.2	194	96.7	93.4	95.1
1998	95.6	95.2	87.8	104.2	196	100.9	98.5	99.6
1999	96.3	96.0	90.6	103.1	195	104.5	98.3	99.8
2000	97.6	99.4	98.4	104.1	197	111.7	99.7	101.8
2001	98.7	99.7	96.4	95.9	180	107.9	101.0	101.0
2002	100.0	100.0	100.0	100.0	186	100.0	100.0	100.0
2003	100.4	99.9	97.1	95.2	176	96.8	101.0	99.6

**Table 2-25**  
**Productivity and related measures — Fabricated metal product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	75.3	20.3	20.3	38.7	186	40.1	20.4	27.0
1962	77.7	23.3	23.6	42.8	202	40.9	23.2	30.0
1963	78.5	25.2	25.3	45.2	210	41.8	25.2	32.1
1964	80.6	28.3	28.6	48.5	223	43.9	28.0	35.1
1965	81.7	32.7	33.4	54.4	247	49.8	32.2	40.0
1966	81.9	35.6	36.5	59.0	265	55.0	35.0	43.5
1967	82.0	34.5	36.6	57.4	257	58.4	33.0	42.1
1968	83.6	36.3	38.9	58.2	259	60.4	34.4	43.4
1969	84.3	38.5	41.0	59.8	265	63.2	36.7	45.7
1970	83.3	38.6	40.3	60.1	266	64.7	37.4	46.3
1971	84.7	39.5	41.8	60.0	264	64.6	37.9	46.6
1972	86.0	41.7	43.6	60.7	266	64.8	40.3	48.5
1973	87.6	46.1	47.0	62.5	273	67.8	45.4	52.6
1974	89.1	50.2	51.1	64.5	280	72.3	49.6	56.3
1975	86.3	46.7	47.6	63.7	276	74.7	46.2	54.1
1976	88.3	48.6	50.3	64.3	278	74.2	47.4	55.0
1977	88.5	47.7	49.6	62.7	270	73.1	46.4	53.8
1978	88.7	49.9	51.5	65.3	280	74.0	48.8	56.2
1979	88.2	53.0	52.3	67.5	290	75.6	53.4	60.1
1980	89.1	53.7	54.4	67.5	288	78.7	53.3	60.3
1981	89.9	54.4	54.9	65.8	280	79.2	54.2	60.6
1982	89.7	48.5	48.7	57.1	240	76.2	48.3	54.0
1983	89.6	45.0	45.4	53.4	224	71.0	44.7	50.2
1984	91.8	49.6	48.9	54.0	226	71.3	50.0	54.0
1985	93.0	55.3	53.3	56.5	235	75.8	56.5	59.4
1986	90.1	57.0	53.2	61.1	254	83.2	59.4	63.3
1987	90.9	59.4	57.2	65.4	269	84.4	60.7	65.3
1988	90.5	61.5	59.5	70.5	289	84.6	62.6	67.9
1989	90.3	62.7	61.7	74.7	303	85.2	63.3	69.4
1990	90.0	57.9	58.4	71.3	289	81.6	57.5	64.4
1991	88.5	52.0	51.8	65.2	262	77.7	52.0	58.7
1992	90.3	48.8	48.3	56.7	228	73.8	49.0	54.0
1993	90.1	49.2	48.9	58.8	236	70.9	49.4	54.6
1994	92.8	54.1	54.8	62.1	249	71.2	53.5	58.3
1995	93.4	58.3	59.8	67.8	270	73.6	57.2	62.4
1996	91.4	60.8	60.9	73.3	289	78.0	60.6	66.5
1997	95.8	68.4	71.0	77.1	302	80.2	66.5	71.4
1998	96.1	72.2	74.9	80.2	313	85.3	70.2	75.2
1999	97.6	77.4	81.0	82.0	321	92.5	74.8	79.4
2000	100.7	97.5	100.7	99.2	383	99.2	95.1	96.8
2001	98.9	97.9	97.7	99.0	377	102.4	98.1	99.0
2002	100.0	100.0	100.0	100.0	380	100.0	100.0	100.0
2003	99.0	100.3	99.1	101.9	382	100.7	101.3	101.4

**Table 2-26**  
**Productivity and related measures — Machinery manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	75.0	16.6	16.9	34.7	120	24.9	16.3	22.2
1962	77.6	19.1	19.7	38.4	131	25.1	18.5	24.6
1963	78.1	21.9	21.6	42.1	142	26.7	22.1	28.1
1964	80.5	26.7	25.9	47.3	158	29.9	27.3	33.1
1965	81.4	30.6	29.1	51.7	171	32.9	31.9	37.6
1966	81.7	33.6	31.7	55.4	182	36.4	35.2	41.2
1967	80.7	33.6	32.1	56.6	185	39.1	34.8	41.6
1968	80.8	32.6	31.5	54.7	178	39.6	33.5	40.4
1969	82.5	36.3	34.6	57.7	187	41.5	37.7	44.0
1970	81.2	34.6	33.4	56.3	182	44.1	35.6	42.6
1971	82.9	35.6	34.8	56.0	181	44.0	36.2	42.9
1972	83.7	39.2	37.7	60.6	194	44.2	40.4	46.8
1973	85.0	43.9	41.6	64.4	206	46.8	45.8	51.6
1974	86.2	48.5	46.3	68.6	219	52.2	50.4	56.3
1975	83.8	47.8	45.2	70.8	225	56.4	50.0	57.1
1976	85.9	47.5	46.7	67.9	214	57.6	48.2	55.3
1977	88.3	48.5	49.0	66.5	211	58.0	48.2	55.0
1978	89.8	51.3	53.0	69.6	220	59.2	50.1	57.1
1979	91.7	59.4	60.1	76.2	241	62.6	59.0	64.8
1980	89.6	60.9	61.5	80.8	254	69.9	60.5	68.0
1981	90.9	63.2	63.4	79.6	249	71.7	63.1	69.5
1982	88.2	49.9	51.4	66.1	204	70.2	48.8	56.6
1983	85.9	45.0	45.6	62.2	191	66.5	44.6	52.4
1984	91.2	51.3	53.5	64.6	197	65.2	49.7	56.2
1985	91.9	54.6	56.7	68.3	207	66.1	53.0	59.4
1986	92.0	58.3	59.7	72.6	219	67.4	57.4	63.4
1987	90.4	60.4	59.5	76.8	236	67.1	61.0	66.7
1988	91.6	66.1	67.2	86.6	270	68.5	65.3	72.2
1989	91.6	69.4	70.5	90.4	288	72.5	68.6	75.7
1990	90.4	63.7	65.2	82.9	260	76.1	62.6	70.5
1991	86.2	54.1	54.4	74.1	241	77.9	54.0	62.7
1992	87.6	52.3	53.1	69.3	226	75.7	51.7	59.7
1993	93.1	58.7	62.2	72.1	224	74.4	56.1	63.1
1994	95.9	68.3	71.0	77.0	225	79.3	66.3	71.2
1995	97.8	77.9	81.5	85.8	255	84.5	75.2	79.7
1996	95.6	80.1	82.3	90.8	263	91.2	78.4	83.8
1997	95.3	86.0	87.8	96.2	274	100.3	84.6	90.2
1998	95.6	87.3	90.6	99.1	282	101.6	84.9	91.4
1999	95.4	85.1	89.2	94.9	266	106.1	81.9	89.1
2000	99.2	101.4	102.4	101.7	287	108.7	100.7	102.2
2001	100.6	100.3	101.4	95.9	275	106.8	99.6	99.7
2002	100.0	100.0	100.0	100.0	283	100.0	100.0	100.0
2003	99.0	101.7	97.6	101.1	284	98.0	104.8	102.8

**Table 2-27**  
**Productivity and related measures — Computer and electronic product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	52.4	4.0	6.6	51.1	122	5.8	3.3	7.7
1962	56.2	4.8	8.4	56.5	134	6.4	3.7	8.6
1963	54.3	5.0	8.3	59.5	139	6.9	4.1	9.3
1964	56.8	5.5	9.5	62.4	145	7.2	4.3	9.7
1965	57.7	6.1	10.7	67.5	155	8.1	4.7	10.6
1966	57.4	7.2	12.1	75.6	172	9.6	5.8	12.6
1967	55.3	7.5	12.0	79.6	180	11.0	6.2	13.6
1968	57.4	8.1	13.4	83.1	187	11.0	6.5	14.1
1969	59.2	8.9	14.9	86.3	194	11.6	7.2	15.1
1970	57.4	8.5	13.9	82.7	184	13.0	6.9	14.8
1971	55.0	8.0	12.0	77.4	173	12.6	7.0	14.5
1972	60.3	9.1	14.4	76.4	169	12.4	7.7	15.1
1973	61.6	10.1	16.1	81.5	180	13.3	8.5	16.4
1974	63.2	11.0	17.5	82.3	181	14.3	9.2	17.3
1975	63.7	10.3	16.9	77.0	169	14.1	8.3	16.1
1976	66.5	10.6	17.7	73.1	160	13.7	8.5	15.9
1977	68.8	10.2	17.6	67.0	146	13.0	7.9	14.8
1978	68.1	10.6	17.5	69.3	150	12.9	8.5	15.5
1979	72.2	12.7	21.2	74.2	160	13.6	10.2	17.6
1980	76.1	15.0	25.8	78.4	168	15.9	11.7	19.7
1981	70.2	13.4	24.0	83.4	178	18.7	10.0	19.1
1982	72.1	13.1	24.4	75.6	160	20.0	9.5	18.2
1983	73.5	13.8	25.4	72.3	152	21.9	10.1	18.8
1984	82.3	18.8	35.2	78.4	165	25.0	13.5	22.9
1985	84.3	21.6	38.1	77.6	163	27.5	16.4	25.6
1986	83.1	22.3	37.8	77.9	162	29.5	17.5	26.8
1987	87.9	26.4	46.6	84.9	176	32.1	20.0	30.0
1988	90.6	32.1	54.5	91.8	189	35.4	25.2	35.4
1989	94.3	36.4	60.7	91.4	187	37.1	28.9	38.6
1990	94.8	40.2	61.2	89.8	182	37.4	33.8	42.4
1991	96.0	42.2	60.7	83.4	167	38.0	36.7	44.0
1992	98.1	47.0	66.3	85.7	170	38.9	41.3	47.9
1993	98.7	47.7	67.2	84.4	164	39.9	41.9	48.3
1994	101.7	58.0	77.0	86.5	167	43.3	52.4	57.0
1995	103.1	74.4	89.2	94.7	181	48.8	70.2	72.2
1996	100.6	76.3	84.6	94.9	180	53.3	74.1	75.8
1997	103.6	86.3	98.2	99.2	187	56.8	82.9	83.3
1998	106.2	98.3	113.7	105.8	193	61.2	93.8	92.6
1999	113.7	119.7	159.1	105.1	191	81.3	106.4	105.2
2000	116.1	164.8	193.7	116.9	211	95.2	155.5	141.9
2001	101.9	119.6	115.3	106.2	190	108.8	121.0	117.4
2002	100.0	100.0	100.0	100.0	176	100.0	100.0	100.0
2003	103.6	106.7	115.1	102.4	180	95.8	103.7	103.0

**Table 2-28**  
**Productivity and related measures — Electrical equipment, appliance and component manufacturing**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	75.6	34.8	32.2	83.3	112	34.3	37.0	46.1
1962	78.7	38.9	36.6	87.5	117	34.4	40.7	49.4
1963	80.3	42.8	40.5	92.5	123	36.1	44.7	53.3
1964	83.0	48.2	46.6	98.3	131	38.4	49.5	58.0
1965	83.6	53.4	50.1	103.3	137	41.1	56.1	63.9
1966	83.5	59.0	55.3	114.4	152	45.4	62.0	70.7
1967	82.5	56.9	54.7	114.5	152	48.7	58.7	69.0
1968	86.0	58.6	58.4	108.0	143	49.4	59.0	68.1
1969	87.3	63.2	62.2	110.4	146	51.5	64.2	72.4
1970	85.9	61.4	60.8	110.8	146	54.1	62.1	71.4
1971	88.3	65.8	67.6	115.6	152	56.0	64.8	74.5
1972	88.9	70.5	71.2	120.2	156	57.7	70.4	79.3
1973	92.1	78.4	81.6	125.0	162	62.4	76.7	85.2
1974	90.1	81.2	81.8	131.0	169	67.2	81.1	90.1
1975	86.9	72.9	72.0	125.2	160	66.5	73.9	84.0
1976	91.0	76.0	78.6	122.5	156	64.5	74.5	83.5
1977	94.5	76.9	82.7	116.5	146	63.6	73.2	81.3
1978	94.2	80.2	85.2	124.0	154	62.0	77.1	85.1
1979	97.5	87.2	94.8	127.6	157	62.3	82.4	89.4
1980	94.9	84.4	90.2	129.5	158	64.0	80.8	89.0
1981	95.9	89.1	95.5	133.8	162	65.5	85.1	92.9
1982	91.9	71.9	76.5	114.9	135	63.3	69.0	78.2
1983	93.1	71.0	76.1	108.7	126	64.5	67.8	76.3
1984	94.6	76.3	80.8	110.7	127	66.4	73.5	80.7
1985	97.8	83.5	87.4	108.6	123	68.2	81.0	85.4
1986	97.3	88.2	89.7	112.8	127	70.8	87.4	90.7
1987	95.5	91.6	88.0	115.9	129	72.7	94.2	95.9
1988	95.4	94.2	90.2	120.1	133	73.6	97.0	98.7
1989	95.2	95.2	91.4	120.8	133	77.3	97.9	100.1
1990	94.2	88.6	87.8	116.0	126	79.4	89.2	94.1
1991	91.5	79.1	75.3	102.8	111	79.6	81.8	86.4
1992	91.4	74.8	70.9	96.5	104	75.9	77.6	81.8
1993	94.1	73.8	72.5	91.6	97	73.1	74.8	78.4
1994	97.1	76.2	76.7	89.8	94	71.2	76.0	78.5
1995	95.8	75.6	73.5	89.5	93	70.0	77.0	78.9
1996	99.4	78.9	80.0	88.0	91	70.0	78.3	79.4
1997	100.9	82.8	84.4	90.4	93	69.6	82.0	82.1
1998	103.0	86.6	92.2	90.1	90	76.3	83.4	84.1
1999	100.4	94.9	97.0	102.2	102	84.8	93.7	94.6
2000	105.6	118.0	116.6	101.5	100	96.2	118.7	111.6
2001	103.4	121.2	116.6	107.4	104	103.2	123.7	117.2
2002	100.0	100.0	100.0	100.0	98	100.0	100.0	100.0
2003	97.6	96.8	87.5	93.0	92	96.0	102.1	99.2

**Table 2-29**  
**Productivity and related measures — Transportation equipment manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	68.0	7.8	7.8	38.5	204	14.5	7.8	11.5
1962	70.7	9.7	9.4	42.2	222	14.6	9.8	13.7
1963	72.6	11.5	11.1	45.8	239	16.0	11.7	15.8
1964	72.8	13.0	12.6	50.4	261	19.1	13.2	17.8
1965	74.3	15.7	15.3	55.8	287	23.5	16.0	21.2
1966	73.6	17.0	16.4	60.9	311	26.9	17.4	23.1
1967	75.2	18.8	18.3	61.8	314	29.6	19.2	25.0
1968	77.5	21.9	20.8	64.6	329	30.1	22.6	28.3
1969	80.0	24.9	24.3	68.2	347	31.4	25.3	31.1
1970	77.3	21.5	20.8	63.2	322	33.1	22.0	27.8
1971	81.0	25.4	24.8	65.7	334	32.2	25.9	31.4
1972	83.0	28.1	28.1	70.9	359	31.6	28.2	33.8
1973	84.2	31.9	31.9	77.9	393	32.9	32.2	37.9
1974	85.7	32.2	33.7	74.6	376	36.0	31.8	37.6
1975	87.3	31.4	34.0	68.6	345	36.3	30.6	35.9
1976	89.1	34.3	37.1	70.5	353	35.2	33.5	38.5
1977	89.7	35.9	38.9	72.0	359	36.1	35.0	40.0
1978	90.6	38.1	43.1	77.0	384	38.6	36.5	42.0
1979	89.4	38.0	44.3	81.5	407	44.4	36.0	42.5
1980	85.3	32.6	36.7	77.5	387	53.6	31.3	38.2
1981	86.9	32.8	39.9	78.2	388	54.8	30.7	37.7
1982	87.5	31.1	36.8	69.0	338	53.1	29.4	35.6
1983	88.7	36.1	39.4	71.1	346	51.3	35.1	40.7
1984	93.1	45.4	50.5	78.8	382	50.4	43.8	48.8
1985	92.8	48.3	52.9	83.8	405	53.2	46.9	52.0
1986	91.2	47.2	51.1	84.5	408	58.6	46.0	51.7
1987	89.9	45.8	50.7	87.0	419	64.5	44.2	50.9
1988	92.6	56.9	61.9	94.2	452	70.7	55.4	61.4
1989	93.7	59.5	66.4	96.7	463	72.6	57.4	63.5
1990	93.2	56.2	62.7	92.2	439	71.3	54.1	60.3
1991	92.6	52.0	57.0	82.9	392	72.0	50.4	56.1
1992	92.9	54.5	58.8	85.5	402	71.2	53.1	58.6
1993	95.4	64.0	66.8	87.6	410	72.0	63.1	67.1
1994	97.1	73.2	76.6	90.9	424	80.6	72.0	75.4
1995	97.1	78.2	81.9	96.6	449	86.7	77.0	80.5
1996	96.3	77.6	82.1	97.9	454	92.1	76.1	80.5
1997	96.6	81.8	87.0	101.1	466	98.7	80.1	84.7
1998	97.0	84.3	91.2	101.9	465	103.7	82.2	86.8
1999	100.9	104.6	109.7	105.9	488	105.9	103.1	103.7
2000	101.4	108.4	111.1	102.3	470	106.9	107.6	106.9
2001	99.2	99.3	100.8	101.6	462	106.9	98.8	100.1
2002	100.0	100.0	100.0	100.0	452	100.0	100.0	100.0
2003	100.2	99.7	100.0	96.8	436	101.7	99.5	99.5

**Table 2-30**  
**Productivity and related measures — Furniture and related product manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	74.0	12.6	13.4	28.0	71	21.4	12.0	17.0
1962	74.7	13.5	14.4	29.7	74	21.5	13.0	18.1
1963	76.2	14.7	15.7	31.1	76	22.6	14.0	19.3
1964	75.8	16.1	16.6	33.3	80	24.2	15.7	21.2
1965	78.3	17.9	19.1	35.2	84	26.3	17.2	22.9
1966	79.0	19.9	21.4	38.4	90	29.1	19.0	25.2
1967	79.5	20.5	22.1	38.7	90	31.5	19.4	25.8
1968	80.3	20.8	22.8	38.4	89	33.3	19.5	25.9
1969	82.7	22.3	24.9	39.5	91	33.6	20.5	26.9
1970	79.6	21.2	22.4	38.2	87	34.4	20.4	26.7
1971	80.8	22.5	23.8	39.7	90	34.1	21.7	27.9
1972	84.9	26.5	29.0	43.7	99	35.1	24.8	31.2
1973	86.8	28.8	32.1	45.5	103	38.5	26.5	33.1
1974	81.0	28.3	28.9	47.5	107	42.3	28.0	35.0
1975	80.2	26.1	27.5	45.9	104	42.2	25.1	32.6
1976	84.9	27.9	30.3	44.5	100	40.9	26.3	32.9
1977	85.7	26.0	28.6	40.6	92	39.5	24.1	30.3
1978	89.3	27.8	31.9	41.9	96	38.3	24.9	31.1
1979	87.4	28.9	32.5	45.4	104	38.8	26.5	33.1
1980	84.8	28.9	31.1	46.7	105	39.8	27.2	34.0
1981	95.1	41.1	43.8	51.0	116	42.1	39.2	43.2
1982	87.3	32.4	32.6	45.3	102	41.5	32.2	37.1
1983	90.0	35.8	37.1	48.8	109	40.3	34.8	39.7
1984	91.5	37.8	39.3	49.8	112	41.3	36.8	41.4
1985	91.3	41.4	43.5	55.8	125	44.7	40.0	45.4
1986	89.4	47.8	46.3	62.9	138	48.9	49.0	53.4
1987	85.8	51.1	48.0	72.5	157	55.0	53.6	59.6
1988	84.7	52.4	48.7	74.0	160	61.5	55.3	61.8
1989	85.7	54.3	51.8	76.4	165	64.0	56.3	63.4
1990	86.2	50.6	49.1	69.5	151	64.5	51.8	58.7
1991	84.0	42.2	40.9	60.2	131	61.7	43.2	50.2
1992	88.0	41.7	41.6	54.0	118	60.0	41.8	47.4
1993	89.1	42.6	44.7	57.5	124	59.5	41.1	47.9
1994	91.0	46.3	50.0	61.4	131	62.7	43.7	50.9
1995	91.5	48.8	52.2	62.3	133	67.1	46.4	53.3
1996	92.2	53.6	55.8	65.6	139	69.9	52.0	58.1
1997	92.3	60.3	63.8	74.3	155	81.1	57.9	65.4
1998	95.5	68.3	75.7	82.9	174	86.0	63.1	71.5
1999	96.4	74.8	82.8	89.5	188	91.1	69.2	77.6
2000	99.4	97.0	96.7	97.1	201	99.8	97.2	97.6
2001	101.1	99.5	101.4	97.6	201	100.9	98.2	98.5
2002	100.0	100.0	100.0	100.0	207	100.0	100.0	100.0
2003	97.7	96.2	91.9	95.6	200	99.7	99.4	98.4

**Table 2-31**  
**Productivity and related measures — Miscellaneous manufacturing**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	62.9	20.5	16.0	50.3	81	35.2	24.0	32.6
1962	63.7	22.0	17.1	52.5	83	36.8	25.9	34.6
1963	63.6	23.1	17.6	53.7	84	38.6	27.6	36.3
1964	64.5	24.2	19.1	56.1	87	41.0	28.2	37.5
1965	64.5	25.8	19.8	57.5	88	45.2	30.7	40.0
1966	65.8	27.8	22.1	60.6	92	50.6	32.2	42.3
1967	64.8	28.3	21.9	61.0	92	54.5	33.4	43.7
1968	65.8	29.7	23.2	61.1	92	59.2	34.8	45.0
1969	66.3	31.7	24.9	64.0	95	64.9	36.9	47.8
1970	65.5	31.7	24.5	64.0	95	66.7	37.5	48.3
1971	66.9	32.2	25.9	64.6	95	68.1	36.8	48.1
1972	69.3	35.4	28.6	68.2	100	65.2	40.2	51.1
1973	70.9	38.1	31.0	71.1	103	65.5	43.0	53.7
1974	70.9	39.5	32.0	73.7	106	66.6	44.7	55.6
1975	72.2	38.6	32.8	72.9	104	64.3	42.2	53.5
1976	75.5	41.7	35.7	72.7	102	62.9	45.2	55.2
1977	77.4	40.6	35.3	66.5	95	61.4	43.5	52.4
1978	80.0	43.6	38.6	66.8	96	63.4	46.0	54.5
1979	80.9	41.9	41.0	69.7	100	62.4	41.7	51.8
1980	81.5	44.0	42.7	70.0	99	64.7	44.1	54.0
1981	82.6	48.1	45.6	71.3	102	67.0	48.7	58.1
1982	84.0	40.5	43.5	63.0	91	66.0	38.1	48.2
1983	82.8	41.4	42.7	64.7	92	65.6	40.0	50.0
1984	87.6	52.4	51.2	66.5	94	67.9	52.2	59.8
1985	86.2	53.2	51.6	69.1	98	72.8	53.2	61.7
1986	81.2	58.9	46.0	73.8	102	77.2	65.7	72.5
1987	82.0	51.7	49.4	76.0	105	82.0	52.7	63.0
1988	84.2	54.0	56.3	81.9	113	83.5	52.4	64.1
1989	82.8	55.9	55.5	84.5	116	85.4	56.0	67.6
1990	81.5	52.2	52.6	83.3	114	84.7	51.8	64.1
1991	81.5	49.6	49.3	76.7	105	84.4	49.6	60.9
1992	82.8	48.7	46.7	68.4	92	82.3	49.9	58.8
1993	84.0	51.3	47.8	67.8	93	79.9	53.8	61.1
1994	85.2	49.9	52.4	70.8	101	87.4	48.0	58.5
1995	83.4	49.7	52.7	77.3	108	86.7	47.5	59.6
1996	84.4	53.4	56.5	80.4	114	91.0	51.1	63.3
1997	93.5	68.2	71.9	82.4	108	88.7	65.6	73.0
1998	96.1	71.8	77.8	83.3	110	90.8	67.6	74.7
1999	93.3	73.5	76.9	85.5	123	101.0	71.1	78.8
2000	95.2	88.0	89.3	100.4	137	100.3	87.1	92.4
2001	95.2	89.1	89.9	100.8	135	101.9	88.5	93.6
2002	100.0	100.0	100.0	100.0	134	100.0	100.0	100.0
2003	99.4	100.7	101.8	106.0	140	99.2	99.9	101.3

**Table 2-32**  
**Productivity and related measures — Wholesale trade**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	60.9	11.1	11.1	26.3	536	16.9	11.3	18.2
1962	62.9	12.0	12.3	28.2	568	17.4	11.8	19.2
1963	63.2	12.9	12.9	29.7	591	17.5	13.1	20.3
1964	65.1	14.2	14.3	31.8	626	18.2	14.2	21.8
1965	65.0	15.2	15.1	33.7	657	19.2	15.7	23.3
1966	67.0	16.6	16.9	36.1	699	20.4	16.2	24.7
1967	67.4	17.2	17.6	36.9	709	21.8	16.6	25.5
1968	67.1	17.5	18.0	37.5	716	22.8	16.8	26.0
1969	68.6	18.9	19.5	39.5	752	23.5	18.1	27.5
1970	69.6	19.7	20.7	41.4	784	24.2	18.2	28.3
1971	69.6	20.8	21.4	42.8	813	24.8	20.1	29.8
1972	71.1	22.5	23.4	46.0	874	25.8	21.3	31.7
1973	70.8	24.0	24.7	49.1	934	27.0	23.1	33.9
1974	70.8	24.6	25.3	49.4	943	28.9	23.8	34.8
1975	72.6	25.5	26.3	48.6	930	30.7	24.5	35.2
1976	75.5	27.3	28.3	48.6	935	32.6	25.8	36.1
1977	74.1	27.4	28.4	50.0	964	33.8	26.0	37.0
1978	73.9	28.6	29.4	52.0	1,003	35.2	27.6	38.8
1979	72.3	30.0	30.7	56.2	1,089	37.3	29.4	41.6
1980	73.3	31.5	32.0	56.8	1,098	39.5	31.2	43.0
1981	75.5	33.0	33.4	55.5	1,061	41.9	32.9	43.7
1982	73.1	31.0	31.4	54.7	1,031	41.5	30.9	42.4
1983	77.2	32.6	34.0	54.8	1,018	41.3	30.4	42.2
1984	79.4	35.1	37.1	57.7	1,063	42.4	31.8	44.1
1985	83.0	38.1	40.8	59.2	1,076	44.1	33.7	45.9
1986	87.0	42.7	45.1	60.3	1,092	47.1	39.0	49.1
1987	87.7	45.6	48.6	64.2	1,156	49.9	40.7	51.9
1988	91.0	49.8	53.5	66.2	1,186	53.7	43.8	54.7
1989	91.7	52.6	57.0	69.3	1,237	57.7	45.4	57.3
1990	89.0	53.9	56.7	71.7	1,270	60.7	49.7	60.6
1991	86.6	52.4	54.4	71.0	1,251	62.4	49.4	60.5
1992	90.6	54.5	57.3	69.3	1,214	63.2	50.1	60.1
1993	90.4	56.1	58.4	70.4	1,225	66.2	52.6	62.1
1994	92.4	60.1	63.3	74.9	1,302	66.0	55.2	65.0
1995	91.2	62.6	65.1	79.1	1,370	68.7	58.9	68.7
1996	90.0	66.7	67.9	83.5	1,440	74.2	65.1	74.1
1997	92.3	75.6	75.3	88.1	1,503	81.4	76.3	81.9
1998	95.7	80.5	81.5	88.0	1,492	86.7	79.2	84.1
1999	97.6	84.0	87.2	90.7	1,544	91.3	79.5	86.1
2000	98.4	92.0	92.8	95.6	1,604	94.8	91.0	93.5
2001	99.4	96.6	96.6	98.4	1,642	95.8	96.6	97.2
2002	100.0	100.0	100.0	100.0	1,668	100.0	100.0	100.0
2003	101.1	104.7	104.1	100.7	1,659	105.2	105.5	103.6

**Table 2-33**  
**Productivity and related measures — Retail trade**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	63.7	15.6	15.6	35.7	1,323	17.4	15.8	24.5
1962	65.4	16.7	16.6	36.8	1,349	17.6	17.3	25.6
1963	67.3	17.5	17.6	37.5	1,363	17.6	17.8	26.1
1964	69.3	18.8	18.9	38.6	1,392	18.1	19.0	27.1
1965	70.9	20.0	20.2	39.8	1,416	18.7	20.1	28.2
1966	72.2	21.2	21.6	41.5	1,472	19.6	20.8	29.4
1967	72.8	22.3	22.7	42.8	1,510	20.3	22.0	30.6
1968	74.9	23.1	24.3	44.2	1,538	20.8	21.0	30.8
1969	74.5	24.3	25.0	46.0	1,599	21.3	23.3	32.6
1970	77.9	25.4	27.2	46.7	1,616	22.0	22.5	32.6
1971	78.3	26.4	28.2	48.3	1,657	22.4	23.3	33.7
1972	81.8	29.1	31.5	50.8	1,727	23.3	25.1	35.6
1973	80.9	30.9	32.7	53.5	1,796	24.8	28.1	38.2
1974	81.3	32.1	34.8	56.3	1,879	26.7	27.5	39.5
1975	83.5	33.9	37.1	57.4	1,908	28.2	28.1	40.6
1976	86.6	35.5	39.2	56.7	1,876	29.8	28.7	40.9
1977	87.3	37.1	40.1	56.7	1,869	31.0	31.8	42.5
1978	88.6	38.9	42.6	58.8	1,934	32.7	32.5	43.9
1979	85.9	39.7	43.3	62.5	2,056	34.8	33.3	46.2
1980	83.1	40.7	43.3	65.7	2,139	36.4	36.2	49.0
1981	84.1	41.9	45.1	66.7	2,172	38.3	36.3	49.9
1982	85.5	41.1	44.6	64.1	2,066	37.4	34.9	48.0
1983	85.3	41.7	45.6	65.9	2,107	38.0	35.0	48.9
1984	89.4	45.8	51.0	69.1	2,212	39.4	36.8	51.2
1985	90.1	48.8	54.3	72.8	2,328	41.0	39.4	54.2
1986	87.6	50.5	55.7	77.9	2,467	43.9	41.5	57.7
1987	88.9	52.5	58.1	78.3	2,462	47.3	42.7	59.0
1988	88.5	54.9	60.4	81.4	2,541	50.6	45.3	62.0
1989	89.4	57.0	62.3	81.6	2,543	53.6	47.9	63.8
1990	86.4	58.2	60.3	82.8	2,559	56.0	54.3	67.4
1991	82.6	55.4	55.3	80.4	2,460	57.8	55.5	67.1
1992	85.5	59.7	59.9	82.1	2,492	60.9	59.2	69.8
1993	86.6	62.5	62.3	82.7	2,490	65.3	62.8	72.2
1994	87.8	66.9	66.4	85.9	2,587	69.5	67.7	76.2
1995	88.1	68.7	68.6	87.6	2,633	73.1	68.9	77.9
1996	89.0	70.6	70.4	88.0	2,640	75.3	71.0	79.3
1997	90.7	74.5	74.2	89.2	2,661	79.9	74.9	82.2
1998	92.3	79.8	79.8	93.2	2,758	83.8	79.8	86.5
1999	94.6	82.8	83.5	93.4	2,759	85.2	81.6	87.5
2000	96.2	89.8	88.5	94.7	2,789	93.0	91.8	93.3
2001	98.9	95.4	94.0	95.8	2,820	95.8	97.6	96.5
2002	100.0	100.0	100.0	100.0	2,939	100.0	100.0	100.0
2003	99.7	101.5	103.2	102.3	2,986	107.2	98.8	101.8

**Table 2-34**  
**Productivity and related measures — Air, rail, water and scenic and sightseeing transportation and support activities for transportation**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	53.8	26.6	22.5	80.8	424	38.0	32.4	49.5
1962	53.3	26.4	22.0	80.4	420	37.1	33.1	49.6
1963	57.4	28.3	24.3	78.7	408	36.6	33.8	49.3
1964	61.1	31.6	27.2	81.3	418	36.5	37.1	51.7
1965	62.1	33.2	28.5	82.6	422	37.3	39.3	53.4
1966	64.6	36.1	30.9	83.0	420	38.9	43.0	55.8
1967	63.8	36.6	30.4	82.0	413	40.6	45.9	57.5
1968	65.8	37.9	31.9	80.6	403	41.6	46.7	57.7
1969	70.4	40.9	35.6	79.8	398	42.4	47.6	58.1
1970	75.9	45.7	41.0	81.4	404	43.3	50.5	60.2
1971	77.8	48.6	42.5	80.7	399	43.4	56.1	62.5
1972	80.0	51.4	44.8	81.7	401	43.2	59.5	64.3
1973	82.4	54.9	47.5	81.2	396	44.8	64.2	66.6
1974	85.1	60.2	51.9	82.7	401	47.2	70.7	70.7
1975	83.6	57.8	49.6	80.4	389	48.6	68.4	69.2
1976	86.0	57.6	50.7	77.3	374	47.9	66.1	66.9
1977	89.2	60.6	55.7	80.9	391	47.0	66.2	67.9
1978	91.8	62.4	58.9	80.9	391	47.3	66.0	67.9
1979	95.4	70.0	67.0	86.2	416	49.2	73.0	73.3
1980	93.6	70.2	66.2	87.8	424	51.2	74.4	75.0
1981	94.3	71.1	69.5	88.9	426	55.2	72.8	75.3
1982	92.5	64.2	61.2	78.0	369	56.9	67.3	69.4
1983	96.8	65.1	64.3	71.7	336	59.6	66.1	67.3
1984	102.2	70.9	75.7	77.0	358	60.8	66.8	69.4
1985	103.1	73.5	78.7	78.8	363	61.5	69.0	71.3
1986	101.5	75.3	78.1	82.7	378	60.5	72.9	74.2
1987	105.7	78.2	82.5	80.7	368	58.5	74.3	74.0
1988	107.9	82.6	88.1	82.1	372	60.8	77.6	76.5
1989	103.9	82.7	84.9	86.4	389	61.8	80.6	79.6
1990	103.9	81.4	83.5	84.3	377	62.0	79.4	78.4
1991	99.2	74.4	74.0	81.2	361	63.4	74.6	75.0
1992	101.4	76.9	76.0	79.1	350	63.8	77.5	75.8
1993	101.2	76.6	77.2	81.6	358	62.4	75.9	75.7
1994	104.6	82.6	83.4	83.0	364	61.7	81.6	79.0
1995	103.0	85.1	81.7	84.3	367	61.9	87.9	82.6
1996	104.6	89.7	86.7	85.5	372	65.2	92.2	85.8
1997	106.1	96.2	93.4	86.0	374	73.7	98.6	90.7
1998	102.9	97.6	94.0	89.5	385	85.2	100.7	94.9
1999	103.6	100.8	99.8	93.1	406	90.5	101.5	97.3
2000	103.2	102.7	104.0	98.6	424	93.3	101.8	99.6
2001	103.2	101.0	103.0	96.3	409	95.8	99.4	97.9
2002	100.0	100.0	100.0	100.0	421	100.0	100.0	100.0
2003	99.9	101.5	101.0	99.5	420	105.7	101.9	101.6

**Table 2-35**  
**Productivity and related measures — Truck transportation**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	77.0	13.9	13.2	27.8	172	13.8	14.4	18.0
1962	75.5	14.6	13.7	31.1	189	14.1	15.2	19.3
1963	77.5	16.1	15.4	33.6	201	14.7	16.6	20.8
1964	76.9	17.3	16.2	35.9	213	15.8	18.1	22.5
1965	78.4	19.4	18.4	39.4	232	17.2	20.2	24.8
1966	78.9	20.4	19.0	40.0	234	17.9	21.4	25.8
1967	80.3	21.8	20.1	40.8	238	18.5	23.4	27.2
1968	81.7	22.3	20.7	40.0	232	19.4	23.7	27.3
1969	83.3	24.5	22.6	42.0	243	20.6	26.2	29.4
1970	84.6	24.0	22.6	39.3	227	21.7	24.9	28.3
1971	85.9	24.9	22.3	36.3	210	22.8	27.7	29.0
1972	85.6	26.7	22.7	36.4	209	24.3	31.5	31.2
1973	85.2	28.6	24.1	38.5	220	26.7	34.2	33.5
1974	80.8	27.5	24.0	42.2	239	29.1	31.6	34.1
1975	84.7	27.4	26.1	41.8	237	29.8	27.9	32.3
1976	83.5	26.7	25.6	41.9	237	30.8	27.0	32.0
1977	82.3	28.2	25.1	41.7	237	31.8	31.3	34.2
1978	83.7	32.3	28.4	46.1	261	33.5	36.7	38.6
1979	89.6	38.1	34.3	48.5	275	36.5	42.0	42.5
1980	86.2	38.1	33.4	51.1	291	38.3	43.2	44.2
1981	84.7	36.7	33.7	53.5	300	39.0	39.9	43.4
1982	88.0	34.9	33.8	49.3	273	37.3	35.9	39.6
1983	91.4	36.7	37.0	50.5	278	36.0	36.3	40.1
1984	92.0	42.5	42.2	58.5	319	37.3	42.7	46.2
1985	92.2	46.2	44.9	62.5	339	38.7	47.3	50.1
1986	92.6	50.4	47.2	65.0	352	40.3	53.6	54.4
1987	95.9	54.9	52.8	68.4	370	41.5	56.8	57.3
1988	96.6	57.6	54.6	69.3	373	42.8	60.4	59.6
1989	95.4	59.3	55.3	72.3	388	43.9	63.2	62.1
1990	98.7	58.7	57.1	67.8	364	44.3	60.1	59.4
1991	95.8	54.1	51.5	63.6	341	44.1	56.7	56.5
1992	96.3	57.0	53.7	64.0	342	47.7	60.3	59.2
1993	97.0	61.4	59.4	69.4	368	52.6	63.2	63.3
1994	98.7	69.9	68.2	76.0	403	59.2	71.4	70.8
1995	99.6	75.1	73.1	79.4	421	63.3	76.9	75.4
1996	97.9	77.6	73.6	84.2	443	63.8	81.5	79.2
1997	96.7	83.1	76.1	86.2	460	72.7	90.1	85.9
1998	94.4	86.0	80.3	94.0	499	83.9	91.5	91.1
1999	95.1	91.8	86.6	98.7	521	91.5	96.7	96.6
2000	97.9	96.5	92.8	98.2	519	94.3	100.0	98.5
2001	98.3	100.6	98.7	104.0	543	98.9	102.5	102.4
2002	100.0	100.0	100.0	100.0	520	100.0	100.0	100.0
2003	98.8	100.0	101.2	102.2	532	107.1	98.8	101.2

**Table 2-36**  
**Productivity and related measures — Transit and ground passenger transportation**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Indexes 2002=100			millions of hours	Indexes 2002=100			
1961	175.1	47.7	57.8	31.8	89	9.5	31.2	27.2
1962	177.0	49.2	59.0	31.8	89	9.7	33.1	27.8
1963	175.1	50.7	59.9	32.2	90	10.3	35.4	29.0
1964	171.8	53.5	63.2	33.2	93	12.1	37.6	31.2
1965	166.7	56.8	66.9	33.9	94	15.4	40.1	34.1
1966	163.7	60.9	71.5	36.4	101	17.6	43.2	37.2
1967	164.3	64.7	75.1	38.0	104	18.3	47.4	39.4
1968	162.6	64.9	74.9	39.2	105	17.9	48.2	39.9
1969	160.2	65.2	73.7	39.8	107	17.7	50.7	40.7
1970	162.2	65.8	75.2	40.0	108	17.6	50.0	40.6
1971	158.2	67.5	74.3	41.6	110	17.6	55.8	42.7
1972	149.8	70.2	74.1	46.0	117	18.0	63.8	46.9
1973	153.0	75.6	77.1	45.7	114	18.8	73.3	49.4
1974	147.5	76.5	79.2	49.8	121	20.4	72.5	51.9
1975	145.5	80.2	82.9	52.2	125	24.6	76.0	55.1
1976	152.5	81.8	85.5	48.6	113	28.5	76.4	53.6
1977	145.3	83.8	86.8	53.2	126	32.7	79.5	57.7
1978	145.8	86.5	89.8	54.5	125	34.8	81.7	59.3
1979	135.3	83.1	81.8	56.2	128	36.1	84.9	61.4
1980	138.1	89.3	89.8	59.6	136	38.1	88.4	64.6
1981	145.9	91.9	105.2	64.4	144	38.7	74.3	63.0
1982	143.4	88.3	99.7	61.4	138	42.8	73.1	61.6
1983	142.2	88.5	99.9	61.6	140	46.0	73.2	62.2
1984	128.4	84.7	92.1	66.5	146	49.7	75.0	66.0
1985	128.7	88.2	95.3	68.1	150	52.5	78.8	68.5
1986	126.1	91.6	95.0	69.9	154	54.6	88.3	72.7
1987	122.0	91.5	93.4	72.2	160	56.7	90.8	75.0
1988	122.0	95.1	94.0	72.6	157	57.8	99.6	78.0
1989	123.5	100.2	99.1	74.7	158	60.6	105.0	81.2
1990	119.6	102.0	98.3	78.3	166	62.4	111.5	85.3
1991	112.2	94.9	87.4	76.7	163	64.1	110.8	84.6
1992	112.2	93.9	88.7	78.2	163	64.1	105.3	83.7
1993	108.5	92.0	86.3	79.9	158	67.0	104.4	84.8
1994	110.2	95.5	90.3	81.2	162	69.4	107.1	86.7
1995	107.5	93.5	90.0	85.4	172	68.6	101.7	87.0
1996	103.7	86.1	85.0	83.9	164	71.6	89.1	83.0
1997	104.1	86.4	86.5	84.9	176	72.4	86.9	83.0
1998	101.6	87.1	85.4	84.9	177	78.7	91.4	85.7
1999	103.3	89.2	91.8	87.6	180	86.3	84.9	86.3
2000	106.9	93.8	98.4	87.7	178	93.3	85.9	87.7
2001	100.6	95.2	93.9	92.0	184	97.9	97.3	94.6
2002	100.0	100.0	100.0	100.0	193	100.0	100.0	100.0
2003	97.6	100.1	98.4	101.4	202	106.3	103.4	102.6

**Table 2-37**  
**Productivity and related measures — Pipeline transportation**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	40.5	9.5	9.2	25.5	4	26.3	12.9	23.5
1962	47.3	11.0	10.8	23.9	4	26.0	13.2	23.3
1963	51.0	12.1	12.0	24.0	4	26.5	13.5	23.7
1964	53.8	13.7	13.6	24.6	4	28.4	15.5	25.5
1965	57.5	15.0	14.9	24.5	4	28.8	16.9	26.1
1966	60.0	16.5	16.6	33.9	6	29.9	17.1	27.5
1967	64.0	19.3	19.4	36.5	6	32.4	19.9	30.1
1968	67.1	21.6	21.7	37.7	6	34.4	22.4	32.2
1969	71.0	23.4	23.8	33.6	6	35.8	22.7	33.0
1970	76.7	26.7	27.4	35.5	6	37.7	24.4	34.8
1971	74.1	28.4	28.1	37.1	6	40.3	31.6	38.3
1972	83.6	34.8	35.2	38.8	6	43.7	35.1	41.7
1973	89.5	39.6	39.9	38.4	6	45.9	40.1	44.2
1974	90.5	38.5	40.1	39.1	7	45.4	33.8	42.6
1975	83.3	35.5	36.6	40.7	7	45.6	32.4	42.6
1976	79.2	34.2	34.4	37.6	6	46.0	34.5	43.1
1977	82.0	36.1	36.1	39.8	7	46.0	37.3	44.0
1978	81.8	35.7	36.4	49.9	8	45.1	34.7	43.7
1979	92.5	41.1	41.3	53.0	9	43.4	41.9	44.4
1980	79.4	36.9	36.0	68.7	12	44.8	41.5	46.5
1981	66.7	35.5	34.0	84.1	14	52.6	42.9	53.3
1982	59.5	35.1	32.7	82.3	13	59.5	47.3	59.0
1983	62.6	35.2	34.4	80.7	13	58.9	38.3	56.1
1984	67.1	38.4	37.5	82.3	13	58.8	42.3	57.2
1985	69.7	40.1	38.9	82.5	13	58.0	45.7	57.6
1986	70.3	40.0	38.7	86.9	13	56.5	46.0	56.9
1987	76.5	43.0	41.9	88.2	14	54.8	47.4	56.1
1988	86.1	47.9	48.9	91.3	14	55.0	43.7	55.6
1989	87.3	50.9	52.3	86.2	13	58.8	45.7	58.3
1990	80.4	50.5	50.2	88.3	13	63.1	51.3	62.9
1991	83.2	55.9	56.7	87.5	13	69.3	52.2	67.1
1992	88.8	64.5	66.9	96.1	14	75.2	55.6	72.7
1993	93.6	68.5	73.9	94.3	14	78.8	48.9	73.2
1994	95.7	72.7	79.9	102.7	15	82.4	47.4	76.0
1995	93.7	75.5	81.1	114.7	16	84.4	55.7	80.5
1996	94.9	78.8	82.6	112.5	16	85.2	65.4	83.1
1997	91.2	80.9	81.6	117.4	17	88.3	78.6	88.8
1998	85.4	82.3	84.0	109.8	16	102.3	76.1	96.4
1999	79.1	87.2	86.5	139.6	18	113.4	90.0	110.2
2000	83.9	90.7	88.4	119.1	15	109.4	99.3	108.1
2001	96.8	98.0	97.7	91.0	12	103.4	99.1	101.2
2002	100.0	100.0	100.0	100.0	13	100.0	100.0	100.0
2003	102.9	100.0	102.4	133.2	14	94.9	91.3	97.3

**Table 2-38**  
**Productivity and related measures — Postal service and couriers and messengers**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	83.3	17.5	20.2	28.6	70	11.6	12.5	21.0
1962	87.7	18.3	21.9	28.5	69	11.8	12.2	20.9
1963	86.3	19.3	23.4	31.4	76	12.5	12.6	22.4
1964	90.7	20.4	25.1	31.0	74	13.2	12.9	22.4
1965	88.7	21.3	26.0	33.2	78	18.1	13.8	24.0
1966	95.1	22.7	28.2	32.5	76	18.3	14.1	23.9
1967	96.7	25.0	31.2	35.6	83	18.1	15.3	25.8
1968	103.8	26.2	33.1	35.5	83	12.0	15.6	25.2
1969	93.4	24.3	29.4	36.3	84	13.5	16.1	26.0
1970	91.7	24.5	29.2	36.5	85	15.6	16.8	26.7
1971	94.4	26.2	31.9	38.0	88	17.3	17.2	27.8
1972	93.5	26.1	32.7	39.3	90	18.8	15.9	27.9
1973	93.6	28.0	35.2	42.4	96	19.3	16.8	29.9
1974	91.3	29.5	37.2	46.3	104	21.2	17.5	32.3
1975	86.0	28.5	35.5	47.3	106	23.7	17.5	33.1
1976	98.2	32.8	42.5	47.8	107	24.9	17.4	33.4
1977	88.0	30.8	38.8	50.0	111	26.1	18.2	35.0
1978	91.8	31.5	39.5	47.8	106	27.9	19.1	34.3
1979	87.2	31.1	39.2	50.5	112	31.6	18.4	35.7
1980	81.1	31.7	39.4	55.5	124	34.4	19.8	39.0
1981	91.3	45.6	52.5	63.4	141	36.7	35.9	49.9
1982	92.0	47.7	54.1	64.7	144	35.8	38.9	51.8
1983	89.7	49.4	55.0	68.2	152	37.4	42.2	55.1
1984	90.2	53.5	59.2	72.7	162	42.0	46.0	59.3
1985	94.4	57.8	66.2	75.8	169	47.2	46.4	61.2
1986	95.7	61.7	69.5	77.6	174	55.6	51.2	64.4
1987	93.9	63.7	70.9	81.1	181	63.6	54.3	67.9
1988	96.2	67.6	75.3	81.6	183	76.6	57.5	70.3
1989	97.2	70.7	77.5	82.0	183	82.7	61.7	72.7
1990	97.3	73.4	80.3	85.3	190	82.4	64.3	75.4
1991	94.3	74.3	78.9	88.1	196	85.5	68.4	78.8
1992	99.4	76.6	81.8	83.6	185	84.7	69.7	77.0
1993	93.8	73.2	74.4	84.0	185	82.6	71.9	78.1
1994	92.8	78.1	79.2	91.8	202	78.0	76.8	84.1
1995	96.1	83.0	86.8	95.8	211	73.5	78.0	86.4
1996	97.3	86.3	91.1	99.7	219	70.4	80.0	88.7
1997	97.6	85.8	91.2	99.1	221	70.5	78.8	87.9
1998	99.7	89.7	94.4	98.5	220	73.6	83.6	90.0
1999	100.9	93.3	98.1	99.7	223	77.2	87.3	92.5
2000	103.0	97.1	103.1	99.0	222	90.9	89.5	94.3
2001	102.3	100.0	103.9	99.7	222	101.4	95.0	97.8
2002	100.0	100.0	100.0	100.0	221	100.0	100.0	100.0
2003	102.2	102.1	104.8	100.5	225	104.8	98.6	99.9

**Table 2-39**  
**Productivity and related measures — Warehousing and storage**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	92.8	35.7	35.4	51.6	35	24.3	37.9	38.5
1962	83.2	32.0	31.0	52.2	34	25.2	35.7	38.5
1963	91.2	36.2	36.9	56.1	36	25.6	35.4	39.7
1964	96.0	38.5	39.6	56.1	35	25.6	36.7	40.1
1965	92.7	39.5	39.1	58.4	35	26.4	41.8	42.6
1966	94.3	42.3	42.9	60.7	36	29.4	42.1	44.9
1967	91.8	43.0	44.5	62.2	36	33.3	40.5	46.8
1968	90.3	42.4	43.2	58.8	34	35.5	41.8	47.0
1969	97.7	45.8	48.3	58.0	33	36.4	41.1	46.9
1970	101.7	47.7	51.0	59.9	33	34.8	40.7	46.9
1971	99.8	46.5	48.2	58.3	33	33.5	43.4	46.6
1972	105.7	48.9	51.8	57.7	33	33.5	43.1	46.3
1973	102.8	48.5	51.5	60.3	35	33.9	42.3	47.2
1974	106.4	50.4	54.2	60.7	36	33.9	42.4	47.3
1975	105.0	50.5	53.6	60.8	36	34.4	44.1	48.1
1976	101.4	48.9	51.2	59.4	34	36.4	44.4	48.2
1977	100.3	50.0	53.0	62.3	35	38.5	43.9	49.9
1978	100.4	51.1	53.9	61.6	34	41.1	45.6	50.9
1979	102.3	53.3	55.4	58.1	32	45.6	49.1	52.1
1980	104.9	56.2	59.4	59.1	32	48.3	49.9	53.6
1981	100.9	57.9	58.8	61.9	34	50.3	56.8	57.4
1982	112.8	64.0	67.9	59.3	32	51.7	56.4	56.7
1983	103.2	61.3	63.8	61.3	32	57.6	56.9	59.4
1984	97.4	65.2	62.8	66.2	35	61.2	70.7	66.9
1985	91.0	60.8	60.1	71.6	37	62.8	62.7	66.9
1986	91.7	62.8	61.5	73.9	38	61.0	66.1	68.5
1987	90.9	64.3	62.6	77.6	38	60.6	68.4	70.8
1988	94.4	66.4	66.6	78.9	38	59.0	66.8	70.4
1989	84.1	62.7	60.9	88.4	42	59.4	66.8	74.6
1990	83.6	59.9	57.4	82.6	38	59.3	65.5	71.6
1991	90.5	61.6	60.5	74.6	36	60.1	64.3	68.1
1992	98.8	66.0	65.4	69.0	34	60.1	67.7	66.8
1993	94.5	66.8	64.0	72.5	35	62.7	72.5	70.6
1994	93.1	70.3	67.6	80.3	39	63.3	75.9	75.5
1995	90.1	72.2	72.0	91.6	44	67.7	72.9	80.2
1996	99.1	74.0	75.4	79.0	38	70.1	71.6	74.7
1997	99.4	78.7	77.4	79.0	38	75.9	81.4	79.2
1998	92.0	78.3	76.6	81.7	39	104.0	82.0	85.1
1999	92.5	82.9	86.7	91.0	43	120.0	75.9	89.7
2000	98.9	94.7	95.8	90.9	44	120.3	92.6	95.8
2001	99.5	99.1	99.9	98.3	48	108.1	97.6	99.6
2002	100.0	100.0	100.0	100.0	47	100.0	100.0	100.0
2003	96.3	107.3	103.4	110.9	52	105.7	114.8	111.4

**Table 2-40**  
**Productivity and related measures — Motion picture and sound recording industries**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	130.6	15.4	25.5	28.1	22	5.5	11.3	11.8
1962	127.4	15.3	25.4	29.6	23	5.9	11.2	12.0
1963	126.4	15.6	25.9	30.1	23	6.4	11.5	12.4
1964	123.2	15.9	25.6	31.0	24	7.0	11.9	12.9
1965	120.4	16.2	25.3	30.6	24	7.8	12.3	13.4
1966	119.5	16.6	26.5	32.0	25	8.6	12.5	13.9
1967	109.0	16.5	25.2	40.9	31	9.2	12.8	15.1
1968	114.6	16.8	25.2	31.5	25	9.7	13.2	14.6
1969	103.8	15.0	21.0	32.3	25	10.3	12.4	14.4
1970	106.0	16.3	23.3	33.9	26	11.0	13.3	15.3
1971	103.2	16.2	23.0	34.2	26	12.0	13.3	15.7
1972	100.4	16.2	22.9	34.6	26	13.5	13.4	16.1
1973	95.8	16.0	21.8	34.7	26	15.3	13.5	16.7
1974	95.2	16.7	22.3	33.6	25	17.2	14.5	17.6
1975	92.0	16.9	21.4	32.8	24	19.3	15.1	18.3
1976	90.9	17.0	21.7	33.5	24	20.8	15.2	18.7
1977	92.3	17.1	22.1	30.6	22	22.3	15.1	18.5
1978	96.0	19.6	25.3	30.4	22	24.2	17.4	20.4
1979	98.1	21.7	28.8	32.3	24	26.7	18.9	22.1
1980	98.8	23.8	31.0	33.4	24	29.0	21.0	24.1
1981	100.0	31.9	37.2	40.3	29	32.0	29.9	31.9
1982	97.1	30.9	35.2	42.3	30	32.4	29.4	31.9
1983	95.6	29.2	34.0	42.1	29	33.7	27.5	30.6
1984	93.7	32.8	34.8	45.8	32	36.5	32.2	35.0
1985	96.0	36.4	38.6	45.1	32	40.3	35.7	37.9
1986	93.9	36.5	38.6	47.6	33	44.7	35.9	38.9
1987	94.3	42.1	43.5	52.8	38	49.8	41.9	44.7
1988	93.5	44.6	46.0	56.9	39	54.8	44.3	47.7
1989	94.1	47.5	46.8	51.7	36	59.3	48.1	50.5
1990	93.1	49.7	48.3	56.0	39	62.6	50.7	53.4
1991	91.6	48.2	47.1	60.4	41	61.4	49.1	52.7
1992	93.0	49.9	47.9	54.8	37	62.7	51.3	53.6
1993	96.9	58.2	57.3	60.3	44	64.2	59.0	60.0
1994	96.0	61.1	59.4	63.2	48	69.1	62.4	63.6
1995	96.9	66.6	65.4	69.1	53	72.7	67.7	68.7
1996	94.6	70.1	67.2	80.1	62	78.1	72.1	74.2
1997	97.9	80.4	73.7	78.9	61	77.0	84.3	82.1
1998	97.1	87.5	82.8	96.4	73	84.9	90.3	90.1
1999	94.6	93.0	89.0	114.6	81	96.1	95.3	98.2
2000	95.9	96.9	92.1	102.2	73	103.4	99.7	101.0
2001	95.4	94.4	94.4	112.0	81	103.6	94.4	99.0
2002	100.0	100.0	100.0	100.0	73	100.0	100.0	100.0
2003	97.1	97.2	93.9	106.4	79	98.1	99.2	100.1

**Table 2-41**  
**Productivity and related measures — Broadcasting and telecommunications**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	37.7	5.0	5.0	32.5	127	10.8	5.8	13.4
1962	38.7	5.4	5.4	33.9	132	11.0	6.5	14.1
1963	40.2	5.9	5.8	35.0	135	11.5	6.8	14.6
1964	42.3	6.4	6.4	36.5	139	11.8	7.0	15.1
1965	44.6	7.0	7.1	37.2	141	12.3	7.5	15.7
1966	44.6	7.6	7.7	41.3	155	13.2	8.4	17.1
1967	46.5	8.3	8.5	42.5	158	14.0	8.5	17.9
1968	48.7	9.0	9.2	42.3	157	14.7	9.0	18.4
1969	51.1	9.8	10.1	42.3	156	15.5	10.0	19.3
1970	54.6	10.7	11.2	42.7	158	16.3	9.7	19.7
1971	55.0	11.5	12.0	44.3	163	17.3	10.5	20.8
1972	57.5	12.5	13.1	45.2	166	18.3	11.4	21.8
1973	59.1	14.0	14.8	50.4	184	19.7	12.2	23.7
1974	61.0	15.7	16.8	53.0	194	22.1	13.0	25.8
1975	65.6	17.9	19.3	52.3	191	24.4	14.0	27.2
1976	66.1	19.3	20.9	55.4	203	26.5	14.9	29.2
1977	67.8	21.0	22.8	58.7	215	28.0	16.0	31.0
1978	72.4	23.1	25.1	59.0	216	28.8	17.4	31.9
1979	75.8	25.5	27.8	62.6	230	29.8	19.1	33.7
1980	80.0	28.2	31.1	64.2	235	31.6	20.2	35.3
1981	78.8	30.5	32.9	68.5	246	34.4	23.6	38.7
1982	77.5	30.5	33.0	68.6	241	35.9	23.4	39.3
1983	79.3	31.4	33.9	68.8	237	35.7	24.3	39.6
1984	82.0	33.1	35.4	68.4	232	36.0	26.5	40.4
1985	84.6	35.1	37.1	68.6	230	36.4	29.3	41.5
1986	86.3	37.3	39.2	70.7	236	37.4	31.8	43.2
1987	88.2	40.2	42.2	72.4	240	39.6	34.7	45.6
1988	88.9	44.4	46.4	80.3	266	42.7	38.6	50.0
1989	91.1	48.2	50.8	80.4	265	47.1	40.8	52.9
1990	91.2	51.3	53.7	81.5	267	51.2	44.3	56.3
1991	92.6	53.4	56.2	79.4	257	54.5	45.6	57.7
1992	91.1	54.6	57.1	79.3	255	58.2	47.1	59.9
1993	90.8	56.3	58.0	79.5	254	60.0	51.2	62.0
1994	91.9	58.6	60.1	81.2	258	61.1	53.9	63.7
1995	92.4	61.6	61.8	82.2	259	62.8	59.9	66.7
1996	93.0	65.0	63.4	80.1	254	65.7	67.6	69.9
1997	91.7	68.7	65.3	79.8	252	71.5	75.2	74.9
1998	90.3	72.2	68.9	86.2	274	77.1	78.5	79.9
1999	94.2	78.2	78.8	90.7	286	83.9	77.2	83.1
2000	95.0	89.0	87.8	96.8	309	94.1	91.1	93.7
2001	95.8	94.6	94.2	100.8	324	101.1	95.3	98.8
2002	100.0	100.0	100.0	100.0	317	100.0	100.0	100.0
2003	104.1	102.6	103.2	100.8	310	94.2	101.6	98.6

**Table 2-42**  
**Productivity and related measures — Publishing industries, information services and data processing services**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	105.3	13.3	15.9	20.3	67	8.0	10.3	12.7
1962	104.8	13.1	15.9	20.3	67	8.3	9.9	12.5
1963	101.8	13.2	15.8	20.7	67	9.1	10.1	12.9
1964	100.4	13.4	15.9	20.7	67	9.9	10.4	13.3
1965	100.3	14.1	16.6	21.7	69	10.3	11.2	14.1
1966	100.7	15.3	17.4	22.9	72	10.5	12.6	15.2
1967	101.6	15.9	18.0	23.8	74	10.2	13.3	15.7
1968	101.5	16.2	18.1	24.7	77	9.7	13.8	16.0
1969	101.5	16.8	18.5	25.6	79	9.6	14.7	16.6
1970	96.4	16.3	17.5	26.5	81	9.8	14.8	16.9
1971	99.7	18.3	19.4	27.5	84	10.3	16.9	18.3
1972	103.7	20.2	21.6	29.1	88	10.7	18.4	19.5
1973	109.0	22.9	24.9	31.3	94	11.1	20.2	21.0
1974	115.2	24.6	27.8	31.3	94	11.7	20.4	21.3
1975	113.9	24.7	27.8	31.3	94	12.2	20.7	21.6
1976	120.3	26.5	30.2	30.6	92	12.4	21.8	22.0
1977	123.0	27.8	32.1	31.2	93	12.8	22.5	22.6
1978	127.9	30.7	36.1	32.7	97	13.6	24.2	24.0
1979	127.7	32.2	38.4	34.7	103	14.6	24.8	25.2
1980	133.5	35.9	43.3	35.6	106	15.8	27.1	26.9
1981	133.4	37.5	44.6	36.0	109	16.7	29.0	28.2
1982	132.9	37.2	44.1	36.1	110	16.5	28.8	28.0
1983	135.2	37.6	45.0	35.2	105	16.7	28.7	27.8
1984	135.1	40.0	48.9	38.5	117	18.0	29.7	29.6
1985	131.3	40.7	48.8	40.6	131	18.7	31.1	31.0
1986	129.6	42.6	51.2	44.6	141	19.4	32.4	32.9
1987	131.2	44.9	54.2	46.8	150	19.9	33.9	34.2
1988	131.8	48.5	59.5	48.8	152	22.9	35.7	36.8
1989	125.0	51.2	61.8	52.2	164	28.1	38.5	40.9
1990	117.2	50.2	60.0	53.1	166	32.9	38.6	42.9
1991	104.5	46.6	54.0	53.6	168	39.5	37.6	44.6
1992	99.9	45.1	50.6	52.5	166	41.6	38.6	45.2
1993	99.7	47.0	52.0	55.6	175	40.8	41.2	47.1
1994	102.1	50.7	55.9	56.5	177	43.5	44.9	49.7
1995	101.8	51.7	58.1	58.9	181	45.6	44.2	50.7
1996	99.4	53.0	58.5	60.4	184	49.3	46.6	53.3
1997	104.3	62.0	70.2	67.4	198	54.3	52.4	59.4
1998	105.2	79.0	79.1	79.2	222	54.7	78.7	75.1
1999	102.4	89.3	87.5	93.7	256	61.6	91.4	87.3
2000	100.8	93.2	90.5	98.1	255	68.7	96.3	92.5
2001	103.3	101.0	98.6	100.8	260	74.0	103.7	97.8
2002	100.0	100.0	100.0	100.0	257	100.0	100.0	100.0
2003	97.3	105.2	101.1	105.7	267	108.6	110.1	108.2

**Table 2-43**  
**Productivity and related measures — Finance, real estate and company management**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	139.4	15.4	17.9	22.0	477	6.7	11.1	11.0
1962	132.9	16.0	18.2	23.4	504	7.4	12.4	12.1
1963	129.9	16.4	18.8	24.7	529	8.0	12.4	12.7
1964	128.9	17.5	20.2	26.4	560	8.7	12.9	13.6
1965	125.8	18.5	21.0	27.1	572	9.6	14.3	14.7
1966	125.7	19.4	22.4	27.9	587	10.5	14.4	15.4
1967	122.6	20.4	23.2	29.8	622	11.3	15.7	16.6
1968	123.3	21.7	24.9	31.3	653	12.1	16.4	17.6
1969	121.3	23.1	26.1	33.0	687	13.1	18.1	19.0
1970	123.6	24.1	28.1	34.0	706	13.9	17.4	19.5
1971	120.4	25.2	28.4	34.9	720	14.7	19.9	20.9
1972	117.6	27.1	29.9	37.5	768	16.2	22.5	23.0
1973	113.6	29.0	31.1	40.2	819	17.9	25.7	25.5
1974	110.5	30.1	32.4	42.7	865	19.8	26.4	27.2
1975	108.9	31.0	33.9	44.3	895	21.6	26.3	28.4
1976	108.3	32.6	35.3	44.3	892	23.6	28.3	30.1
1977	108.7	35.7	38.7	49.0	982	25.5	30.8	32.8
1978	108.9	38.0	41.4	50.5	1,007	27.8	32.7	34.9
1979	106.5	40.5	43.2	53.8	1,071	30.4	36.1	38.0
1980	104.6	42.6	45.1	57.3	1,136	32.7	38.6	40.7
1981	106.1	47.1	49.6	61.1	1,203	35.5	43.2	44.4
1982	104.4	45.8	49.0	61.2	1,186	36.3	40.7	43.8
1983	104.5	47.7	50.8	62.6	1,204	38.1	42.8	45.7
1984	100.7	48.5	50.1	64.0	1,225	40.4	45.8	48.1
1985	103.3	52.4	53.9	63.4	1,212	43.1	49.9	50.7
1986	102.2	56.3	56.8	66.8	1,267	47.0	55.3	55.1
1987	100.7	59.8	60.0	68.5	1,295	52.9	59.1	59.3
1988	95.7	59.9	59.4	73.2	1,381	57.4	60.3	62.6
1989	93.7	61.4	60.4	74.2	1,394	62.2	62.8	65.6
1990	92.4	61.3	61.6	77.0	1,438	65.5	60.5	66.4
1991	92.7	62.3	63.1	78.1	1,446	66.8	60.8	67.2
1992	93.4	65.1	64.2	78.3	1,436	67.4	66.2	69.7
1993	94.5	67.5	65.9	78.5	1,422	68.0	69.7	71.4
1994	98.4	72.3	71.8	80.3	1,447	69.0	72.9	73.5
1995	98.9	74.3	74.1	81.2	1,464	71.4	74.5	75.2
1996	98.4	78.7	76.0	84.6	1,533	73.5	82.4	80.0
1997	100.3	82.4	80.5	84.4	1,516	77.0	84.9	82.2
1998	100.2	85.9	83.3	84.8	1,511	81.8	89.6	85.8
1999	99.6	91.1	88.4	88.1	1,554	89.7	94.7	91.4
2000	99.4	95.3	92.8	93.2	1,625	94.3	98.7	95.9
2001	100.7	97.5	97.4	95.9	1,658	96.5	97.7	96.8
2002	100.0	100.0	100.0	100.0	1,724	100.0	100.0	100.0
2003	99.9	102.3	101.7	101.4	1,754	102.3	103.1	102.4

**Table 2-44**  
**Productivity and related measures — Professional, scientific and technical services**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	213.7	6.2	8.6	10.1	191	0.0	2.9	2.9
1962	208.8	6.6	9.0	10.8	204	0.0	3.2	3.1
1963	203.7	7.1	9.6	11.3	213	0.1	3.4	3.5
1964	205.5	7.9	10.7	12.2	227	0.1	3.8	3.8
1965	193.2	8.7	11.9	13.4	248	0.1	4.2	4.5
1966	180.9	9.6	13.4	14.7	272	0.2	4.3	5.3
1967	172.2	10.1	13.8	15.6	290	0.2	4.9	5.9
1968	172.1	10.5	14.2	15.8	293	0.2	5.3	6.1
1969	170.2	11.5	15.4	16.7	310	0.3	5.9	6.7
1970	160.7	11.7	15.2	17.4	322	0.3	6.7	7.3
1971	161.5	13.6	17.0	19.2	357	0.4	8.9	8.4
1972	153.2	14.5	18.0	20.5	380	0.5	9.6	9.5
1973	150.0	16.1	20.1	22.2	414	0.7	10.5	10.7
1974	154.0	18.1	23.1	23.7	444	0.8	11.3	11.8
1975	148.8	19.2	24.5	24.8	465	1.1	11.8	12.9
1976	150.3	20.1	25.8	24.8	470	1.3	12.1	13.3
1977	142.7	21.1	26.3	26.8	506	1.4	14.1	14.8
1978	138.9	22.6	27.9	28.7	541	1.8	15.3	16.3
1979	134.3	23.9	29.8	31.2	592	2.2	15.8	17.8
1980	136.9	26.7	33.9	33.2	629	2.8	16.8	19.5
1981	133.1	28.9	36.9	36.9	690	3.5	17.8	21.7
1982	137.7	29.9	38.5	37.3	686	3.2	18.1	21.7
1983	129.4	28.7	35.9	36.6	663	3.8	18.8	22.2
1984	124.7	30.4	38.4	40.3	726	4.9	19.3	24.4
1985	120.7	33.1	40.4	42.5	761	6.5	22.9	27.4
1986	117.1	36.4	43.8	46.6	824	8.5	26.1	31.1
1987	116.1	39.9	48.2	49.4	867	11.7	28.3	34.4
1988	115.3	43.3	52.4	52.5	918	14.7	30.7	37.6
1989	111.8	45.6	54.3	55.7	967	17.6	33.2	40.8
1990	110.4	45.9	54.7	56.5	978	19.0	33.6	41.6
1991	107.0	46.5	54.3	58.1	994	20.9	35.5	43.5
1992	102.3	46.1	52.0	56.8	970	28.2	37.7	45.0
1993	101.4	48.5	54.1	58.9	997	32.5	40.7	47.8
1994	98.3	51.5	56.9	62.6	1,053	43.6	44.1	52.4
1995	98.0	54.7	60.1	66.1	1,118	47.4	47.3	55.8
1996	95.1	57.0	62.0	70.9	1,203	53.0	50.1	59.9
1997	96.8	65.9	69.7	75.5	1,275	65.3	60.8	68.1
1998	97.1	74.4	78.3	83.8	1,423	75.5	69.0	76.6
1999	98.7	86.4	86.3	89.8	1,497	81.4	86.7	87.6
2000	99.0	98.0	95.6	97.0	1,584	98.0	101.5	98.9
2001	99.0	99.6	97.8	99.5	1,610	99.1	102.2	100.6
2002	100.0	100.0	100.0	100.0	1,600	100.0	100.0	100.0
2003	100.5	104.5	104.1	102.7	1,643	106.4	105.0	104.0

**Table 2-45**  
**Productivity and related measures — Administrative and support services**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	225.9	5.1	6.7	4.0	51	0.3	2.7	2.2
1962	224.0	5.4	7.0	4.5	56	0.3	3.0	2.4
1963	217.7	6.0	7.7	5.0	62	0.4	3.4	2.8
1964	213.7	6.7	8.7	6.1	75	0.4	3.6	3.1
1965	204.5	7.7	10.3	7.1	88	0.6	3.9	3.8
1966	185.1	8.3	11.6	8.3	102	0.9	3.8	4.5
1967	178.2	9.1	12.7	9.4	115	1.0	4.1	5.1
1968	160.3	9.0	12.0	10.1	123	1.2	4.7	5.6
1969	151.7	10.1	13.0	11.4	138	1.5	5.7	6.7
1970	146.8	10.7	14.1	12.4	150	1.9	5.7	7.3
1971	141.6	11.8	15.1	13.7	165	2.2	6.8	8.3
1972	134.9	13.3	16.7	15.4	185	2.9	8.0	9.9
1973	129.7	14.7	18.8	17.6	211	3.8	8.6	11.4
1974	131.0	16.4	21.0	18.9	226	4.6	9.4	12.5
1975	123.6	17.1	21.5	20.2	240	6.0	10.3	13.8
1976	124.0	18.4	23.3	21.5	256	6.7	10.8	14.8
1977	120.4	19.7	24.1	23.0	273	7.3	12.8	16.4
1978	119.7	21.8	26.4	25.1	298	8.5	14.5	18.2
1979	118.4	24.1	28.3	26.7	317	10.3	17.3	20.4
1980	116.0	25.4	30.5	29.1	345	12.3	17.2	21.9
1981	114.6	26.2	33.0	31.7	374	14.0	15.6	22.8
1982	113.8	25.6	32.6	32.1	374	13.1	14.9	22.5
1983	110.5	25.4	32.0	31.8	368	15.2	15.3	23.0
1984	111.9	28.3	35.6	34.3	394	17.9	16.9	25.3
1985	108.9	30.9	39.0	38.4	439	21.8	18.5	28.4
1986	108.3	35.8	43.5	42.2	480	26.8	23.9	33.1
1987	102.4	37.7	46.0	46.9	532	34.7	24.6	36.8
1988	104.9	42.6	52.4	50.5	570	41.8	27.3	40.6
1989	104.2	47.6	57.2	55.5	624	46.8	32.5	45.6
1990	105.7	49.5	59.6	56.2	630	49.4	33.7	46.9
1991	103.6	48.5	58.1	56.1	624	50.5	33.5	46.8
1992	102.1	48.8	57.7	55.2	611	59.1	34.7	47.8
1993	101.2	49.8	60.1	57.2	630	67.3	33.7	49.3
1994	98.4	51.6	61.5	60.2	663	74.4	36.1	52.5
1995	100.7	57.9	67.0	63.6	698	77.6	43.8	57.5
1996	99.3	62.0	69.1	65.6	718	90.3	50.6	62.4
1997	94.6	65.4	71.5	70.1	764	118.6	55.7	69.2
1998	95.6	71.1	76.7	77.0	839	107.7	62.2	74.4
1999	97.5	83.5	86.1	86.7	946	102.3	79.4	85.6
2000	99.0	90.5	89.8	88.3	962	104.1	91.7	91.4
2001	99.7	94.2	92.9	91.0	983	103.6	96.4	94.5
2002	100.0	100.0	100.0	100.0	1,073	100.0	100.0	100.0
2003	96.8	102.3	102.5	106.7	1,144	112.5	101.9	105.7

**Table 2-46**  
**Productivity and related measures — Waste management and remediation services**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	62.7	6.6	3.5	10.5	6	5.1	12.1	10.5
1962	68.4	7.9	4.4	12.0	7	4.6	13.8	11.5
1963	69.2	8.4	4.2	10.9	6	4.3	16.2	12.1
1964	70.7	8.5	4.5	12.0	6	4.0	15.7	12.1
1965	77.2	9.8	6.1	12.8	7	4.7	15.6	12.6
1966	66.9	10.7	5.3	11.6	6	9.5	20.6	16.0
1967	71.2	11.8	7.4	14.0	8	11.6	18.7	16.6
1968	72.5	13.0	8.3	14.9	8	12.7	20.1	17.9
1969	67.6	14.6	8.3	18.0	10	14.0	25.3	21.6
1970	64.2	14.8	8.9	17.3	9	23.3	24.5	23.1
1971	57.4	16.6	9.0	19.5	10	36.9	29.9	28.9
1972	58.7	20.0	9.8	21.6	11	34.4	39.2	34.1
1973	58.5	20.0	9.4	21.3	11	32.4	40.2	34.1
1974	70.3	22.5	13.8	21.4	11	30.6	36.3	32.0
1975	77.2	24.8	16.7	21.2	11	30.9	36.6	32.1
1976	81.9	25.4	17.9	20.4	11	29.0	35.7	31.0
1977	77.7	26.6	16.6	22.4	12	28.1	41.6	34.2
1978	81.8	28.8	18.9	24.2	13	26.6	43.0	35.1
1979	82.3	32.9	20.3	27.7	15	25.8	52.2	40.0
1980	87.9	34.0	22.2	25.5	13	25.1	51.2	38.6
1981	86.3	34.0	22.9	25.6	13	29.5	50.2	39.4
1982	86.3	32.8	23.4	25.3	13	31.4	46.5	38.0
1983	86.5	33.5	24.4	26.8	14	31.7	46.6	38.7
1984	88.0	36.9	26.7	29.0	15	31.9	51.7	41.9
1985	88.2	41.0	29.8	33.3	17	34.0	57.3	46.5
1986	86.3	43.6	30.9	35.4	18	38.4	62.1	50.5
1987	82.2	47.0	34.8	47.2	24	43.6	64.5	57.2
1988	79.7	53.7	35.4	48.1	25	52.4	81.7	67.4
1989	77.0	52.8	33.2	46.0	24	57.3	83.8	68.6
1990	75.8	56.5	32.5	47.0	24	57.7	95.7	74.5
1991	72.5	59.9	33.8	53.4	27	70.6	102.8	82.6
1992	73.3	61.3	36.3	54.4	27	78.0	102.1	83.7
1993	73.4	59.7	42.4	64.6	32	86.7	87.2	81.3
1994	77.5	59.9	48.2	65.6	32	87.8	78.0	77.3
1995	79.8	62.8	56.8	75.8	36	92.2	72.4	78.7
1996	83.4	69.3	63.9	79.0	38	95.5	78.1	83.1
1997	80.8	68.1	60.8	78.1	37	98.1	80.0	84.3
1998	79.4	71.3	62.8	84.2	39	102.9	85.4	89.8
1999	83.2	74.2	66.9	83.9	41	99.6	86.1	89.2
2000	84.2	79.9	68.8	80.9	39	104.9	97.9	94.9
2001	90.4	87.1	81.7	93.1	44	99.7	96.0	96.4
2002	100.0	100.0	100.0	100.0	47	100.0	100.0	100.0
2003	100.1	105.9	110.4	119.4	54	104.1	98.5	105.9

**Table 2-47**  
**Productivity and related measures — Educational services**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	x	x	x	x	x	x	x	x
1962	x	x	x	x	x	x	x	x
1963	x	x	x	x	x	x	x	x
1964	x	x	x	x	x	x	x	x
1965	x	x	x	x	x	x	x	x
1966	x	x	x	x	x	x	x	x
1967	x	x	x	x	x	x	x	x
1968	x	x	x	x	x	x	x	x
1969	x	x	x	x	x	x	x	x
1970	x	x	x	x	x	x	x	x
1971	x	x	x	x	x	x	x	x
1972	x	x	x	x	x	x	x	x
1973	x	x	x	x	x	x	x	x
1974	x	x	x	x	x	x	x	x
1975	x	x	x	x	x	x	x	x
1976	x	x	x	x	x	x	x	x
1977	x	x	x	x	x	x	x	x
1978	x	x	x	x	x	x	x	x
1979	x	x	x	x	x	x	x	x
1980	x	x	x	x	x	x	x	x
1981	x	x	x	x	x	x	x	x
1982	x	x	x	x	x	x	x	x
1983	x	x	x	x	x	x	x	x
1984	x	x	x	x	x	x	x	x
1985	x	x	x	x	x	x	x	x
1986	x	x	x	x	x	x	x	x
1987	x	x	x	x	x	x	x	x
1988	x	x	x	x	x	x	x	x
1989	x	x	x	x	x	x	x	x
1990	x	x	x	x	x	x	x	x
1991	x	x	x	x	x	x	x	x
1992	x	x	x	x	x	x	x	x
1993	x	x	x	x	x	x	x	x
1994	x	x	x	x	x	x	x	x
1995	x	x	x	x	x	x	x	x
1996	x	x	x	x	x	x	x	x
1997	x	x	x	x	x	x	x	x
1998	x	x	x	x	x	x	x	x
1999	x	x	x	x	x	x	x	x
2000	x	x	x	x	x	x	x	x
2001	x	x	x	x	x	x	x	x
2002	x	x	x	x	x	x	x	x
2003	x	x	x	x	x	x	x	x

**Table 2-48**  
**Productivity and related measures — Health care and social assistance**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	103.2	12.6	13.9	17.5	120	6.7	9.3	12.2
1962	98.6	13.2	14.2	19.1	132	7.3	10.2	13.3
1963	98.9	14.2	15.3	20.3	143	8.3	11.2	14.4
1964	96.5	15.1	16.2	22.0	155	9.7	11.6	15.6
1965	92.7	15.7	16.8	24.0	171	10.9	12.3	16.9
1966	90.4	17.0	18.3	27.1	192	11.9	13.1	18.8
1967	93.7	18.1	19.8	27.9	200	12.5	13.5	19.3
1968	99.1	19.8	21.6	27.9	204	13.2	14.8	20.0
1969	100.3	21.4	23.4	29.6	218	14.1	16.0	21.3
1970	101.5	23.1	25.5	31.4	233	15.6	16.9	22.8
1971	105.8	24.8	28.5	32.6	241	17.8	15.7	23.4
1972	111.4	27.6	31.5	33.5	254	18.9	17.8	24.7
1973	119.0	30.1	34.4	32.5	252	20.1	19.5	25.3
1974	119.9	32.2	36.6	34.4	269	21.0	21.1	26.8
1975	126.6	35.2	41.1	35.8	283	22.3	21.3	27.8
1976	131.4	36.7	42.5	33.7	273	23.8	23.0	28.0
1977	131.9	39.7	45.0	35.7	291	24.9	26.3	30.1
1978	133.6	42.1	47.6	37.5	307	25.2	28.0	31.5
1979	129.3	42.7	47.6	39.9	330	25.8	29.4	33.0
1980	129.7	45.3	51.6	44.5	370	26.3	29.5	35.0
1981	134.3	48.5	57.1	47.8	416	27.2	28.1	36.1
1982	131.9	50.1	58.4	50.1	439	28.4	30.2	38.0
1983	130.0	51.7	60.3	52.7	462	29.8	31.3	39.8
1984	125.4	54.3	62.5	58.1	502	31.4	34.3	43.3
1985	124.7	57.3	64.4	59.7	515	33.1	39.7	45.9
1986	127.8	60.8	67.5	59.8	525	34.7	43.8	47.5
1987	126.6	63.6	69.5	62.2	549	36.4	48.7	50.3
1988	125.5	68.0	72.9	67.4	594	36.9	54.9	54.1
1989	130.7	70.6	76.5	66.0	590	38.0	55.3	54.0
1990	130.1	73.9	79.2	69.2	623	39.2	59.7	56.8
1991	131.7	77.9	82.5	72.3	654	38.6	65.7	59.2
1992	130.8	79.2	84.9	75.7	687	39.4	64.1	60.6
1993	124.2	77.8	83.3	81.0	728	39.7	63.3	62.6
1994	124.5	78.7	84.6	81.2	734	41.0	63.2	63.2
1995	120.4	77.4	84.0	82.6	757	44.1	60.1	64.3
1996	116.6	77.8	83.8	84.6	770	47.3	61.9	66.7
1997	117.4	86.6	87.8	87.8	793	49.1	83.2	73.7
1998	113.1	88.4	88.2	92.5	840	52.1	88.8	78.1
1999	105.7	91.5	91.6	96.6	871	68.7	91.2	86.6
2000	103.3	94.4	95.1	101.2	903	76.5	92.3	91.4
2001	102.6	97.4	97.6	99.5	883	86.6	96.8	95.0
2002	100.0	100.0	100.0	100.0	891	100.0	100.0	100.0
2003	96.0	102.3	101.8	102.3	906	116.8	103.6	106.6

**Table 2-49**  
**Productivity and related measures — Arts, entertainment and recreation**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	221.8	7.2	11.0	6.4	38	0.8	4.3	3.2
1962	210.1	7.4	11.0	7.2	42	0.9	4.6	3.5
1963	200.5	8.0	11.5	7.7	44	1.1	5.1	4.0
1964	193.3	8.6	12.4	8.8	49	1.3	5.6	4.5
1965	181.7	9.7	14.1	10.2	56	1.9	6.3	5.4
1966	171.0	11.2	16.2	11.6	64	2.9	7.2	6.6
1967	178.4	17.2	23.1	16.0	86	3.4	12.0	9.7
1968	163.0	12.5	17.9	13.4	72	3.8	8.1	7.7
1969	161.6	14.3	19.5	14.5	78	4.3	9.9	8.9
1970	157.2	14.5	19.6	15.0	80	4.7	10.0	9.2
1971	162.1	16.9	22.9	16.4	86	5.3	11.7	10.4
1972	154.6	18.4	24.3	17.6	91	6.8	13.2	11.9
1973	152.6	20.7	27.6	19.1	97	8.6	14.6	13.5
1974	163.4	25.0	35.3	20.8	105	10.3	16.3	15.3
1975	157.4	27.8	39.0	22.3	112	13.5	18.4	17.7
1976	160.9	32.3	45.6	24.1	119	15.8	21.1	20.0
1977	150.8	30.9	42.1	23.5	115	17.5	21.3	20.5
1978	153.6	33.2	46.7	24.6	122	19.4	21.9	21.6
1979	147.3	34.7	49.5	28.1	140	21.9	22.5	23.6
1980	146.4	34.2	48.9	26.0	126	24.5	22.1	23.4
1981	146.4	38.2	57.2	31.8	154	26.8	23.0	26.1
1982	148.6	37.5	55.9	29.4	137	26.7	22.7	25.2
1983	139.5	35.6	52.7	30.8	143	28.0	21.8	25.5
1984	139.2	37.8	56.2	32.7	153	30.2	23.0	27.2
1985	136.1	39.5	58.6	34.6	161	33.8	24.2	29.0
1986	131.3	45.7	62.3	38.9	178	38.1	32.0	34.8
1987	119.5	46.8	63.2	46.8	214	44.5	33.2	39.1
1988	121.8	55.6	75.8	54.5	242	51.5	38.9	45.6
1989	113.2	52.5	67.4	52.1	231	57.5	39.9	46.3
1990	110.3	53.1	66.8	53.3	234	61.7	41.4	48.1
1991	109.6	52.0	63.3	51.2	222	59.3	42.3	47.5
1992	109.9	53.6	64.1	51.7	220	58.9	44.4	48.7
1993	106.1	54.6	63.8	55.2	234	62.4	46.4	51.4
1994	108.2	58.7	69.6	56.9	241	68.1	49.2	54.2
1995	107.8	61.8	72.4	59.4	247	72.1	52.4	57.3
1996	102.6	65.8	75.7	69.5	287	79.9	56.9	64.1
1997	101.5	71.0	79.4	74.7	311	84.7	63.4	70.0
1998	99.8	78.3	82.3	81.2	330	87.8	74.5	78.5
1999	100.0	82.5	86.8	84.0	345	96.1	78.5	82.5
2000	101.4	90.0	93.3	88.1	362	99.0	86.9	88.8
2001	102.2	96.0	97.3	92.3	383	95.7	94.8	94.0
2002	100.0	100.0	100.0	100.0	417	100.0	100.0	100.0
2003	95.9	102.0	99.8	109.0	439	107.7	104.3	106.4

**Table 2-50**  
**Productivity and related measures — Repair and maintenance**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	149.8	19.8	26.4	27.1	162	0.9	9.8	13.2
1962	147.7	20.5	26.8	28.1	164	0.9	10.8	13.9
1963	143.0	20.9	26.9	29.1	167	1.0	11.4	14.6
1964	146.8	22.7	29.7	30.8	174	1.1	11.9	15.5
1965	142.5	23.5	30.5	31.9	176	1.4	12.7	16.5
1966	135.3	24.4	31.4	33.7	184	2.1	13.2	18.0
1967	131.6	25.1	32.1	35.0	188	2.4	14.0	19.1
1968	126.8	24.5	31.4	35.7	187	2.6	13.5	19.3
1969	117.3	24.0	30.0	37.4	195	3.0	14.3	20.5
1970	114.6	23.6	29.9	38.1	196	3.3	13.4	20.6
1971	116.4	24.9	31.5	38.8	197	3.5	14.3	21.4
1972	114.8	26.4	33.6	41.1	206	4.4	15.0	23.0
1973	110.3	28.2	35.1	44.2	217	5.5	17.2	25.6
1974	116.5	31.3	40.0	46.1	225	6.3	17.4	26.8
1975	108.1	30.3	38.4	47.7	231	7.6	17.4	28.1
1976	103.5	30.1	38.1	49.2	240	8.6	17.4	29.1
1977	106.1	33.1	40.8	50.6	241	9.3	20.7	31.2
1978	108.8	36.4	45.5	54.0	258	10.7	21.8	33.5
1979	109.1	38.9	49.4	57.9	273	12.0	22.3	35.7
1980	109.4	42.4	53.9	62.4	295	13.7	24.2	38.8
1981	111.7	44.0	56.7	62.6	296	15.4	24.1	39.4
1982	111.1	41.5	53.6	59.3	286	14.9	22.6	37.3
1983	109.9	41.8	54.4	59.8	287	16.9	22.4	38.1
1984	114.4	45.4	60.5	60.9	292	20.2	22.8	39.7
1985	108.8	46.8	61.8	65.3	318	24.0	24.0	43.0
1986	104.1	47.2	61.2	67.3	321	27.8	25.6	45.4
1987	104.3	51.9	67.4	72.1	345	34.5	27.9	49.8
1988	103.6	55.0	70.7	74.3	348	41.5	30.4	53.0
1989	100.5	55.9	70.7	75.6	354	49.1	32.3	55.6
1990	96.1	56.8	67.1	75.3	347	53.7	39.2	59.1
1991	88.8	51.7	59.1	72.8	338	57.9	38.8	58.2
1992	82.4	50.2	55.0	73.4	339	71.2	41.8	61.0
1993	82.2	52.8	57.1	75.0	349	83.6	45.3	64.3
1994	83.8	58.0	61.5	77.9	366	92.3	51.9	69.2
1995	85.6	60.9	65.5	78.1	357	110.0	53.0	71.2
1996	83.6	63.2	67.1	81.2	374	130.2	56.4	75.6
1997	83.7	64.4	69.0	83.4	394	133.0	56.5	77.0
1998	87.0	69.5	72.5	85.2	400	115.9	64.3	79.9
1999	92.6	84.2	83.0	91.2	436	105.8	86.2	90.9
2000	94.0	93.8	88.3	96.2	452	103.3	103.4	99.9
2001	97.9	98.9	96.1	98.9	457	101.3	103.7	101.0
2002	100.0	100.0	100.0	100.0	458	100.0	100.0	100.0
2003	101.4	108.1	103.9	101.1	466	103.3	115.5	106.7

**Table 2-51**  
**Productivity and related measures — Religious, grant-making, civic, and professional and similar organizations**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	97.3	14.4	12.7	13.9	14	2.1	15.6	14.8
1962	105.9	17.0	15.4	14.4	15	2.2	17.7	16.0
1963	87.8	13.3	12.4	16.2	16	2.5	13.3	15.1
1964	87.6	14.8	15.1	19.8	20	2.6	12.9	16.9
1965	96.5	16.2	17.3	19.6	19	3.2	12.8	16.7
1966	101.2	17.8	20.4	21.6	21	4.1	12.0	17.6
1967	86.9	15.8	18.4	23.8	23	4.6	10.2	18.2
1968	88.9	18.0	19.2	24.1	23	4.8	14.8	20.3
1969	82.3	17.6	18.4	25.7	25	4.9	15.1	21.4
1970	85.4	18.8	20.2	26.8	26	4.9	15.2	22.0
1971	88.1	19.1	19.4	24.6	24	4.7	17.7	21.7
1972	85.2	18.2	18.4	24.5	24	4.9	17.0	21.4
1973	84.8	18.7	19.3	25.9	25	5.0	16.6	22.1
1974	94.6	19.4	20.5	23.6	23	5.1	16.3	20.5
1975	100.3	19.7	21.0	22.4	22	5.7	16.0	19.7
1976	99.9	19.5	20.9	22.3	22	6.3	15.7	19.5
1977	102.9	19.6	21.2	21.7	21	6.7	15.2	19.1
1978	104.8	22.6	24.6	24.6	24	7.2	17.2	21.6
1979	105.1	23.8	25.3	25.1	24	7.9	19.4	22.7
1980	105.0	24.9	27.3	27.2	26	8.9	18.7	23.7
1981	103.1	34.8	38.1	39.2	37	9.8	26.2	33.8
1982	102.2	34.8	38.2	39.7	37	10.0	26.1	34.0
1983	102.8	36.1	39.6	40.8	38	11.1	27.0	35.1
1984	101.6	38.1	39.3	41.1	38	12.4	32.1	37.5
1985	103.9	41.7	43.3	43.7	40	13.9	34.8	40.1
1986	103.9	43.6	43.0	43.2	40	15.1	39.9	42.0
1987	98.1	43.2	41.2	45.3	41	16.6	41.7	44.0
1988	101.6	46.1	44.8	46.4	42	18.7	43.2	45.4
1989	104.0	46.4	46.8	46.5	42	19.7	41.2	44.6
1990	105.3	48.9	51.7	50.4	45	20.6	40.4	46.4
1991	103.0	51.9	55.4	56.1	49	21.3	42.1	50.4
1992	105.1	53.9	58.0	56.4	49	26.4	43.1	51.3
1993	106.2	54.4	57.7	54.6	46	31.8	44.6	51.3
1994	104.4	53.5	56.1	54.3	46	35.8	44.7	51.3
1995	103.8	53.4	59.5	57.6	48	44.0	40.5	51.5
1996	100.8	57.7	66.9	68.5	57	44.0	40.8	57.2
1997	98.5	63.0	82.0	84.9	70	74.5	31.8	63.9
1998	96.4	60.1	82.7	87.3	75	83.4	23.1	62.4
1999	102.3	68.5	89.9	88.2	74	87.0	33.2	66.9
2000	99.6	94.4	94.8	96.1	77	89.3	93.7	94.7
2001	99.0	97.1	97.4	99.1	79	97.5	96.7	98.1
2002	100.0	100.0	100.0	100.0	80	100.0	100.0	100.0
2003	101.0	100.5	99.6	97.5	78	102.7	101.9	99.4

**Table 2-52**  
**Productivity and related measures — Personal and laundry services and private households**

	Multifactor productivity based on gross output	Real gross output	Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	183.9	48.5	57.8	82.3	530	0.6	30.4	26.4
1962	185.1	48.8	57.7	81.0	520	0.6	31.5	26.4
1963	184.2	50.6	59.2	82.4	526	0.6	33.6	27.4
1964	182.4	52.4	61.2	85.9	545	0.7	35.2	28.7
1965	179.9	53.9	63.1	87.4	553	0.8	35.8	30.0
1966	173.2	55.2	63.9	87.5	554	1.0	38.1	31.9
1967	168.0	55.4	64.1	88.8	560	1.2	38.1	33.0
1968	166.0	56.3	65.3	90.7	569	1.3	38.5	33.9
1969	162.5	56.4	65.5	91.5	574	1.4	38.5	34.7
1970	158.8	55.5	64.1	89.9	566	1.6	38.4	34.9
1971	157.6	54.9	63.1	87.4	551	1.7	38.6	34.8
1972	155.7	54.1	61.1	82.0	517	1.9	40.7	34.8
1973	151.5	53.6	60.6	80.8	505	2.3	40.1	35.4
1974	151.3	53.7	60.8	78.5	490	2.5	40.0	35.5
1975	152.1	55.1	62.3	77.2	480	2.9	41.0	36.2
1976	155.6	55.7	62.8	72.9	458	3.2	42.2	35.8
1977	157.5	58.4	65.4	74.0	455	3.4	45.2	37.1
1978	153.6	59.8	67.4	79.2	485	3.6	45.3	38.9
1979	153.2	62.8	71.2	84.0	508	3.8	46.8	41.0
1980	147.8	65.3	74.6	93.3	561	4.0	47.1	44.2
1981	148.5	62.5	72.9	88.4	530	4.2	42.4	42.1
1982	145.2	62.0	71.6	89.8	536	4.1	43.5	42.7
1983	146.0	63.0	72.5	89.4	531	4.3	44.4	43.1
1984	150.3	67.4	78.7	92.4	546	4.7	45.6	44.8
1985	152.4	73.7	85.7	97.8	581	5.2	50.7	48.4
1986	153.7	78.6	89.2	99.1	582	5.6	57.7	51.1
1987	145.9	77.7	87.5	102.1	598	6.3	58.5	53.3
1988	148.4	83.3	92.6	102.8	598	7.1	65.0	56.1
1989	145.8	84.3	92.2	101.7	591	7.9	68.6	57.8
1990	142.3	84.1	90.3	100.3	581	8.7	71.9	59.1
1991	139.8	83.0	85.7	96.8	563	8.7	77.7	59.3
1992	138.7	82.6	84.4	96.4	559	8.6	79.2	59.6
1993	137.0	83.0	85.7	97.7	569	9.5	77.7	60.6
1994	131.5	84.6	87.7	101.0	589	12.0	78.4	64.3
1995	113.3	85.4	89.9	101.6	584	29.8	76.6	75.4
1996	105.0	86.7	88.9	101.2	585	44.1	82.5	82.6
1997	106.3	89.0	88.8	94.2	553	50.6	89.6	83.7
1998	104.0	91.3	91.0	94.0	552	64.5	92.1	87.8
1999	100.1	94.0	92.4	98.6	581	75.4	97.2	93.9
2000	101.3	96.4	95.1	96.7	570	83.7	98.8	95.1
2001	98.5	99.3	97.8	102.7	598	92.7	102.4	100.9
2002	100.0	100.0	100.0	100.0	584	100.0	100.0	100.0
2003	97.2	100.4	99.0	102.0	593	107.1	103.1	103.3

**Table 2-53**  
**Productivity and related measures — Accommodation and food services**

	Multifactor productivity based on gross output	Real gross output	Real Gross Domestic Product (GDP)	Labour input	Hours worked	Capital input	Intermediate inputs	Combined units of all inputs
	Index (2002=100)			millions of hours	Index (2002=100)			
1961	187.0	28.0	36.1	25.2	544	1.6	21.0	15.0
1962	186.8	29.4	38.7	26.9	572	1.7	21.6	15.8
1963	179.7	29.9	38.4	27.2	571	2.1	22.5	16.6
1964	172.9	30.8	38.3	28.3	587	2.4	24.0	17.8
1965	164.6	32.6	41.2	31.1	637	3.5	24.8	19.8
1966	153.2	33.4	42.6	33.6	683	5.3	25.2	21.8
1967	147.2	35.3	43.8	36.2	728	6.3	27.5	24.0
1968	146.6	36.0	43.3	34.7	694	6.9	29.2	24.5
1969	143.8	37.4	43.8	35.2	700	7.9	31.2	26.0
1970	143.2	38.4	45.3	36.0	715	8.7	31.8	26.8
1971	141.5	40.6	46.1	36.0	708	9.9	35.2	28.7
1972	141.1	43.4	49.6	36.3	702	12.6	37.4	30.8
1973	137.3	47.2	54.7	40.4	766	16.1	39.8	34.3
1974	131.3	49.3	56.5	44.1	830	19.2	42.2	37.5
1975	122.7	50.9	58.4	49.3	919	24.8	43.6	41.5
1976	122.1	55.2	63.9	53.3	986	28.9	46.8	45.2
1977	124.3	57.2	65.8	50.7	939	32.0	48.9	46.0
1978	122.9	60.5	70.7	55.2	1,021	35.7	50.8	49.3
1979	119.0	61.2	71.3	57.6	1,062	40.6	51.6	51.5
1980	114.8	62.4	73.4	62.7	1,144	45.6	51.9	54.4
1981	113.9	65.1	76.7	65.9	1,208	49.4	54.0	57.1
1982	111.7	61.0	70.5	61.7	1,124	49.4	51.8	54.6
1983	108.0	60.4	69.3	64.6	1,176	51.7	51.8	55.9
1984	108.1	61.5	71.0	64.9	1,179	55.8	52.4	56.9
1985	107.2	63.7	73.5	67.1	1,221	62.3	54.1	59.4
1986	102.3	66.2	73.7	72.5	1,313	70.3	58.8	64.7
1987	98.4	67.9	75.3	78.1	1,416	81.6	60.6	69.0
1988	98.8	72.2	78.5	78.2	1,410	94.2	65.9	73.1
1989	98.8	76.8	83.5	81.7	1,468	105.6	70.0	77.7
1990	98.2	76.3	84.3	82.3	1,468	112.6	68.2	77.7
1991	92.5	69.5	73.5	78.4	1,391	116.9	65.6	75.2
1992	92.5	70.9	74.0	79.0	1,392	117.8	67.9	76.7
1993	92.2	72.3	75.8	81.6	1,422	120.2	68.8	78.4
1994	92.5	75.9	78.5	84.6	1,482	120.8	73.5	82.1
1995	94.4	76.3	81.3	85.5	1,486	115.7	71.3	80.8
1996	93.9	78.3	81.6	87.3	1,517	114.1	75.0	83.3
1997	94.2	84.6	84.9	91.1	1,574	115.3	84.3	89.9
1998	95.6	88.5	89.9	94.8	1,634	113.2	87.2	92.6
1999	96.5	91.6	93.7	98.1	1,680	110.5	89.6	94.9
2000	98.2	96.4	96.8	98.6	1,693	106.9	96.0	98.1
2001	99.9	98.0	98.2	97.4	1,680	102.6	97.8	98.2
2002	100.0	100.0	100.0	100.0	1,709	100.0	100.0	100.0
2003	100.2	98.0	97.8	96.0	1,641	102.5	98.2	97.8

**Table 3**  
**Productivity and related measures for the business sector, Canada and United States**

	1961 to 2006	1961 to 1980	1980 to 2006 <sup>1</sup>	2006
	percentage change			
<b>Canada</b>				
Multifactor productivity	0.4	0.7	0.2	-0.2
Labour productivity	2.1	2.9	1.5	1.1
Real gross domestic product	3.8	4.9	3.0	2.7
Labour input	2.4	2.8	2.1	1.7
Hours worked	1.7	2.0	1.5	1.6
Capital input	4.9	6.4	3.9	4.6
Labour compensation	..	10.8	5.8	..
Capital cost	..	11.7	6.1	..
Unit labour cost in Canadian dollars	..	5.6	2.7	..
Unit labour cost in U.S. dollars	..	4.8	1.9	..
Contribution of capital intensity to labour productivity growth	1.2	1.6	0.9	1.3
Contribution of labour composition to labour productivity growth	0.4	0.5	0.4	0.1
<b>United States</b>				
Multifactor productivity	1.2	1.5	1.0	1.1
Labour productivity	2.3	2.5	2.2	1.6
Real gross domestic product	3.7	4.0	3.5	3.8
Labour input	1.7	1.6	1.8	2.5
Hours worked	1.3	1.5	1.3	2.1
Capital input	4.1	4.4	3.9	3.1
Labour compensation	..	9.0	6.0	..
Capital cost	..	8.6	6.2	..
Unit labour cost in Canadian dollars	..	5.5	3.2	..
Unit labour cost in U.S. dollars	..	4.8	2.5	..
Contribution of capital intensity to labour productivity growth	0.8	0.9	0.8	0.3
Contribution of labour composition to labour productivity growth	0.2	0.1	0.4	0.4

1. The annual growth rates for labour compensation, capital cost and unit labour costs are calculated over the period from 1980 to 2003.

**Table 4**  
**Productivity and related measures for the manufacturing sector, Canada and United States**

	Multifactor productivity	Labour productivity	Real sectoral output	Hours worked	Capital input	Intermediate inputs	Contribution of capital intensity to growth in labour productivity	Contribution of intermediate input intensity to growth in labour productivity
	Index (2002=100)		millions of hours		Index (2002=100)			
<b>Canada</b>								
1987	89.3	59.5	58.2	3,807.1	70.6	53.6	94.9	70.1
1988	90.0	61.0	62.5	3,986.0	74.1	57.9	95.0	71.4
1989	89.8	61.7	63.7	4,021.0	78.4	59.0	95.8	71.8
1990	89.3	63.5	62.2	3,814.5	80.8	58.1	97.0	73.3
1991	88.5	65.6	59.0	3,503.5	81.6	55.9	98.4	75.3
1992	90.0	70.1	60.7	3,375.5	80.9	58.3	98.8	78.9
1993	91.8	74.3	65.0	3,405.3	80.1	63.1	98.5	82.2
1994	93.8	79.7	71.0	3,468.7	82.3	69.5	98.6	86.1
1995	94.2	81.2	74.9	3,588.6	85.0	73.8	98.6	87.4
1996	93.8	81.8	76.8	3,653.3	87.7	76.3	98.8	88.3
1997	95.1	85.9	82.0	3,717.5	91.4	81.8	99.2	91.1
1998	96.3	90.0	86.2	3,727.9	94.7	85.9	99.8	93.7
1999	97.7	95.2	94.7	3,873.0	99.3	95.3	100.0	97.5
2000	100.0	101.0	104.2	4,020.2	103.0	104.9	99.9	101.0
2001	98.9	98.7	99.7	3,936.6	103.2	100.1	100.4	99.4
2002	100.0	100.0	100.0	3,893.9	100.0	100.0	100.0	100.0
2003	99.6	99.5	99.4	3,890.3	100.6	99.5	100.1	99.7
2004	..	..	..	..	..	..	..	..
2005	..	..	..	..	..	..	..	..
<b>United States</b>								
1987	82.8	58.8	68.0	115.6	65.9	70.8	91.3	77.8
1988	84.3	60.1	71.5	119.1	67.1	73.7	91.1	78.2
1989	83.8	60.7	72.7	119.8	68.5	76.1	91.4	79.2
1990	83.2	62.0	72.5	116.9	70.4	77.3	92.1	80.8
1991	83.0	63.6	71.2	111.9	72.0	76.8	93.0	82.4
1992	82.5	66.1	73.6	111.4	73.7	82.6	93.5	85.7
1993	84.7	67.7	76.4	112.9	75.5	83.2	93.6	85.4
1994	87.0	70.1	81.0	115.6	77.6	86.4	93.7	86.1
1995	88.5	73.1	85.2	116.6	80.3	90.7	94.1	87.9
1996	88.9	75.9	88.1	116.1	83.6	94.9	94.8	90.1
1997	91.4	80.1	94.6	118.2	87.4	100.5	95.2	92.0
1998	93.5	84.5	99.5	117.8	91.7	104.5	96.1	94.0
1999	94.3	88.2	103.3	117.0	95.3	109.6	96.8	96.7
2000	97.7	92.1	106.1	115.2	98.2	107.9	97.5	96.7
2001	96.4	93.5	100.7	107.7	99.5	104.0	98.8	98.2
2002	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2003	102.8	106.2	101.0	95.1	100.0	99.8	100.8	102.5
2004	106.7	108.6	102.8	94.6	99.2	96.6	100.7	101.0
2005	110.3	113.6	106.4	93.6	98.9	97.5	100.9	102.1

## Description

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Productivity—the efficiency with which the economy transforms inputs into outputs—is important because it largely determines real income changes. Canadian living standards are high not only because workers have more equipment and resources to work with, but also because Canadian businesses use labour and other resources more efficiently.

The productivity growth rate influences the speed at which real incomes can rise. If the availability of goods and services were limited entirely by the gradual increase in labour and capital stock, then Canadian living standards today would not be as high as they are. Rapid productivity gains made the difference. Rapid productivity growth throughout the business sector fueled the boom in real incomes during the 1960s and most of the 1970s. Slow productivity growth since then has been accompanied by lower real wage increases.

Productivity can be measured in different ways: labour productivity measures output per hour worked; multifactor productivity—a broader indicator—measures the productive efficiency of labour, capital, and other inputs in combination. Either way, productivity is a key indicator of technological and organizational efficiency.

The production activity of an industry generates a variety of products and services using a combination of different inputs. The information about this production activity is recorded in great detail in the KLEMS (capital [K], labour [L], energy [E], materials [M] and purchased services [S]) database. This comprehensive database, which is derived from the input–output tables, provides information by industry over time on the primary inputs (capital and labour), the intermediate inputs (energy, materials and services) and output valued in terms of both current and constant prices.

The primary goal of this database is to allow for the construction of estimates of multifactor productivity, labour productivity and related measures (e.g., unit labour cost and implicit prices of output and inputs). This database can also be used to construct other economic performance measures and to examine the structure and conduct of industries.

The KLEMS database has two major characteristics:

1. Most estimates are only available for the business sector and its constituent sub-sectors and industries. However, estimates for employment and hours worked are also available for the non-business sector.
2. Estimates are in Fisher chain indices.

For more discussion on the general concepts of productivity growth and recent trends in productivity performance, see Chapter 1 of *Productivity Growth in Canada* (publication number 15-204-X 1999000).

# Estimation methodology summary

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## Estimation

Statistics Canada publishes several sets of productivity measures for the Canadian business sector and its major constituent sub-sectors (sub-sectors producing goods, sub-sectors producing services and manufacturing) and industries. Each set of measures involves a comparison of the growth in output and input measures, but each relies on a different methodology. The concept of business sector excludes public administration, non-profit organizations and the Canadian System of National Accounts (CSNA) imputation of the rental value of owner-occupied dwellings. The business sector thereby excludes activities where it is difficult to draw inferences on productivity from the CSNA output measures. Essentially such inferences would be questionable because the CSNA output measures in these areas are based largely on labour inputs in constant prices.

The traditional measure of labour productivity—output per hour worked—constitutes the first measure of productivity introduced by Statistics Canada in the early 1960s. Output, measured in constant prices, is compared to labour input, measured as hours worked in the corresponding sector or industry.

The second set of measures covers multifactor productivity. In these measures, output is again measured net of price changes, but the input measure is an aggregate of hours worked and capital service flows. Multifactor productivity estimates have been developed in recognition of the role capital growth plays in output growth.

In order to produce productivity growth estimates, various data sources from survey areas and the System of National Accounts divisions are integrated. In particular, the productivity program requires data from:

1. The Input-Output Division, which provides information on the structure of the economy (in terms of industries, commodities produced and used as intermediate inputs in both current and constant prices and the primary inputs compensation for each calendar year). Please refer to Survey number 1401.
2. The Labour Statistics Division, which provides employment numbers, labour compensation and hours worked to estimate the labour input; please refer to Survey numbers 3701 and 2612.
3. The Investment and Capital Stock Division, which provides estimates of investment series to estimate capital input; please refer to Survey numbers 2803 and 2820.
4. The Industry Measures and Analysis Division, which produces estimates of gross domestic product in chain volume for current years. Please refer to Survey number 1303.

Data that come from these different sources are conceptually adjusted to the CSNA framework and reconciled for accuracy and consistency in the estimates of inputs and outputs. As such, the production of productivity measures serves as an important source of quality control on the various data series that are used in the productivity program.

## Formula

Labour productivity is defined as real value-added per hour worked.

Unit labour cost equals total compensation for all jobs divided by a chain Fisher volume index of value-added. It is also equivalent to the ratio of hourly compensation to labour productivity.

Hourly compensation is the ratio of the total compensation to the total number of hours worked.

For a given industry, value-added is equal to its gross output less its intermediate inputs (energy, raw materials and services) produced by other industries. A double-deflation procedure is used to measure real value-added: real intermediate inputs are then subtracted from real gross output.

Multifactor productivity is the growth rate of real output minus the combined growth rate of the inputs. Three categories of multifactor productivity are available—each is based on a different measure of output and therefore serves a different analytical need:

- multifactor productivity based on gross output;
- multifactor productivity based on sectoral output or gross output net of intra-industry transactions;
- multifactor productivity based on value-added.

## Disclosure control

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Statistics Canada is prohibited by law from releasing any data which would divulge information obtained under the *Statistics Act* that relates to any identifiable person, business or organization without the prior knowledge or the consent in writing of that person, business or organization. The confidentiality provisions of the *Statistics Act* override the provisions of any other Act, including the *Access to Information Act*, to guarantee the confidentiality of reported data of individual respondents. Various confidentiality rules are applied to all data that are released or published to prevent the publication or disclosure of any information deemed confidential. If necessary, data are suppressed to prevent direct or residual disclosure of identifiable data.

Data are also suppressed if they have been assigned an unacceptable quality rating.

## Data accuracy

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All variables in the KLEMS (capital [K], labour [L], energy [E], materials [M], purchased services [S]) database have been assigned a quality rating using a three-point scale:

1. acceptable;
2. moderately acceptable;
3. unacceptable.

# Appendix I

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## Glossary

**Business sector.** Productivity measures exclude all non-commercial activities as well as the rental value of owner-occupied dwellings from total activity to define the business sector. Corresponding exclusions are also made to compensation and hours worked. In 1997, business sector gross domestic product accounted for about 75% of the Canadian total. The business sector is further divided into the goods sector and the services sector.

**Business sector goods industries.** Consist of agriculture, fishing, forestry, mining activities, manufacturing, construction and public utilities.

**Business sector services industries.** Consist of transportation and storage, communications, wholesale and retail trade, finance, insurance and real estate, and the group formed by socio-cultural, business and personal services.

**Capital cost** is defined as the gross output less the labour and intermediate expenses. Thus, it represents the surplus—profits, depreciation and net interest—intended as compensation to the owners of capital.

**Capital input** measures the services derived from the stock of physical assets and software used in production. The assets included are fixed business equipment, structures, inventories, and land.

**Capital per hour** is the ratio of capital services to hours worked.

**Capital productivity** is measured as real output per unit of capital services.

**Capital services price** is the capital cost per unit of capital services.

**Choice of a productivity measure.** In calculating productivity, a variety of measures of production (and thus inputs of production) can be used: value-added, gross output and sectoral output (or gross output less intra-industry sales). The choice of a measure of productivity will naturally depend on the user's analytical needs. For example, a measure based on sectoral output is useful because it allows for comparisons with the U.S. industry estimates.

**Combined inputs.** A weighted sum of inputs, particularly labour and capital. The weighting used to combine labour, capital and sometimes other factors (such as energy, raw materials and services) corresponds to the cost share for each input with respect to total revenue for the sector.

**Contribution of capital intensity to labour productivity growth.** This is calculated as the growth in capital services per hour times capital's share of nominal gross domestic product. It reflects the effects of capital investment on labour productivity growth.

**Contribution of labour composition to labour productivity growth.** This is calculated as the growth rate of labour composition times labour's share of nominal gross domestic product. It reflects the effects, on labour productivity growth, of skill upgrading as measured by increases in the experience and education composition of the workforce.

**Fisher chain index.** The geometric mean of the Laspeyres and Paasche chain indices. The Fisher chain index treats two periods symmetrically. The real gross domestic product indices that are used to determine variations in quantity for the measurement of productivity are based on Fisher chain indices.

**Gross domestic product per hour worked.** See Labour productivity.

**Hourly compensation.** See Total compensation per hour worked.

**Hours worked.** The number of hours worked in all jobs is the annual average for all jobs times the hours worked per job for all jobs. Hours worked is the total number of hours that a person spends working, whether paid or not. In general, this includes regular and overtime hours, breaks, travel time, training in the workplace and time lost in brief

work stoppages where workers remain at their posts. Time lost to strikes, lockouts, annual vacation, public holidays, sick leave, maternity leave or leave for personal needs is not included.

**Implicit price deflator.** See Output price.

**Input.** An economic resource used in a firm's production process. A distinction is usually drawn between two primary inputs (labour and capital) and intermediate inputs (energy and raw materials).

**Labour cost.** See Total labour compensation.

**Labour input.** This measures the services derived from the labour. Labour services are obtained by aggregation of the hours worked by all persons, classified by education and work experience with weights determined by their shares of labour compensation.

**Labour price** is the ratio of labour cost to labour services.

**Labour productivity.** The ratio of output to hours worked. Economic performance as measured by labour productivity must be interpreted carefully, as labour productivity estimates reflect changes in other factors of production (such as capital) in addition to growth in productivity efficiency.

**Multifactor productivity.** A measure of productivity growth, taking into account all of the resources used in the production activity. Multifactor productivity growth is estimated residually as the difference between the growth rate of output and the growth rate of combined inputs.

**Output.** The final product of the production activity obtained from the combination of resources such as labour, capital, materials, services and energy.

**Output price** is equal to current-dollar output, divided by real output.

**Primary inputs.** Labour input combined with capital input, using labour's and capital's share of costs as weights to form a Fisher chain index.

**Productivity index.** The ratio of the output index to the combined inputs index; the output and the combined inputs are evaluated at constant prices. Expressing productivity levels using indices facilitates comparison and analysis with respect to a base year.

**Real gross domestic product (GDP).** The total value of goods and services produced during a given period within the country, regardless of the nationality of the production inputs. To make comparisons of GDP from one year to another, the effect of price variations must be eliminated. Thus, the variation solely in quantities produced is estimated by real GDP, that is, GDP for the period calculated at the price of another period (usually an earlier year), called the base year, such as 1997. The business-sector real GDP is constructed by using a Fisher chain index after removing, from the total economy GDP, all non-business production as well as the implicit value of rental on owner-occupied dwellings.

**Total compensation per hour worked.** The ratio of the total compensation for all jobs to the number of hours worked.

**Total labour compensation.** All payments in cash or in kind made by domestic producers to workers for services rendered—in other words, total payroll. It includes the salaries and supplementary labour income of paid workers, plus an imputed labour income for self-employed workers.

**Unit capital cost** is the capital cost per unit of output. It is also equal to the ratio of capital use per hour worked to capital productivity. Unit capital cost increases when capital use per hour worked increases more rapidly than capital productivity.

**Unit labour cost** is the labour cost per unit of output. It is calculated as the ratio of labour compensation to real gross domestic product. It is also equal to the ratio of labour compensation per hour worked to labour productivity. Unit labour cost increases when labour compensation per hour worked increases more rapidly than labour productivity. It is widely used to measure inflationary pressures arising from wage growth.

**Unit labour cost in U.S. dollars** is the equivalent of the ratio of Canadian unit labour cost to the exchange rate. The latter corresponds to the U.S. dollar value expressed in Canadian dollars.

**Unit non-labour payments** measure the cost of non-labour items such as depreciation, rent, interest, and indirect business taxes, in addition to corporate profits and profit-type income of proprietorships and partnerships.

**Value-added.** An industry's value-added is equal to its gross output (mainly sales) less its intermediate consumption (energy, raw materials and services) coming from other industries. The double-deflation procedure is used to measure real value-added: real intermediate input estimates are subtracted from real gross output estimates.