



December Quarter 1989
Australian National Accounts
Gross Product, Employment and Hours Worked

Catalogue No. 5222.0

EMBARGOED UNTIL 11.30 A.M. 28 MARCH 1990

AUSTRALIAN NATIONAL ACCOUNTS
GROSS PRODUCT, EMPLOYMENT AND
HOURS WORKED

DECEMBER QUARTER 1989

IAN CASTLES
Australian Statistician

AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 5222.0

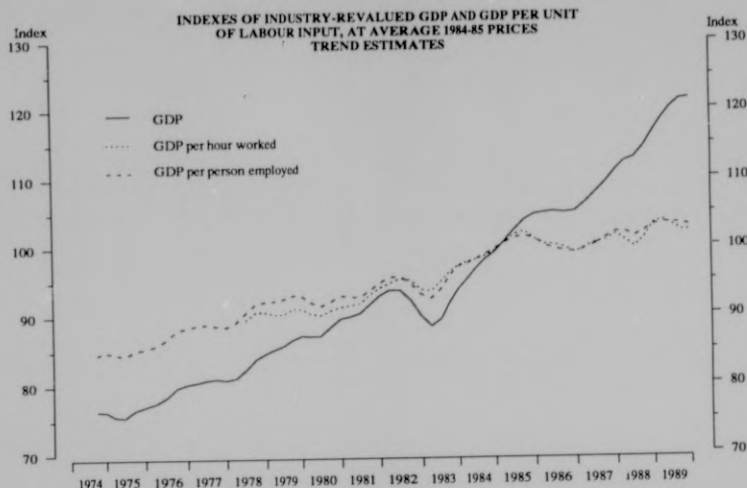
© Commonwealth of Australia 1990

PHONE INQUIRIES	• about <i>these statistics</i> — contact Mr Alan Tryde on Canberra (06) 252 6801 or any ABS State office. • about <i>other statistics and ABS services</i> — contact Information Services on Canberra (06) 252 6627, 252 5402, 252 6007 or any ABS State office.
MAIL INQUIRIES	• write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State Office.
ELECTRONIC SERVICES	• on VIATEL — key *656#. • on AUSSTATS — phone (06) 252 6017. • on TELESTATS — phone (06) 252 5404 Foreign Trade statistics inquiries, (06) 252 5405 Main Economic Indicator inquiries.

CONTENTS

<i>Table</i>	<i>Page</i>
.. Main Features	1
.. Explanatory Notes	2
 Gross product at average 1984-85 prices, all industries, labour input and GDP per unit of labour input	
1 Industry-revalued gross domestic product - annual, and quarterly seasonally adjusted	6
2 Expenditure-revalued gross domestic product - annual, and quarterly seasonally adjusted	7
3 Industry-revalued gross domestic product - quarterly trend estimates	8
4 Expenditure-revalued gross domestic product - quarterly trend estimates	9
 Gross product at average 1984-85 prices, by industry - quarterly	
5 Seasonally adjusted	10
6 Seasonally adjusted - percentage changes	10
7 Trend estimates	11
8 Trend estimates - percentage changes	11
 Manufacturing industry gross product at average 1984-85 prices, by subdivision - quarterly	
9 Seasonally adjusted	12
10 Seasonally adjusted - percentage changes	12
11 Trend estimates	13
12 Trend estimates - percentage changes	13
 Historical tables	
 Gross product at average 1984-85 prices, by industry	
13 Annual and quarterly - original	14
14 Quarterly seasonally adjusted	16
 Manufacturing industry gross product at average 1984-85 prices, by subdivision	
15 Annual and quarterly - original	18
16 Quarterly seasonally adjusted	20

MAIN FEATURES



Unless otherwise stated, the following comments relate to constant price estimates of industry-revalued GDP and its components.

Tables 1 to 4 of this publication present estimates of constant price gross domestic product (GDP) per unit of labour input. Two alternative measures of labour input are used - number of persons employed and number of hours worked. From the graph above it can be seen that both measures are closely correlated. Two measures of GDP are also presented in these tables: industry-revalued and expenditure-revalued estimates (see paragraph 2 of the explanatory notes).

The December quarter 1989 trend estimate of industry-revalued GDP increased by 0.2 per cent. This compares with the expenditure-revalued estimate which showed no change over the same period. Both sets of trend estimates show successively lower increases since March quarter 1989. The industry-revalued trend estimate of GDP rose by 4.2 per cent from December quarter 1988 (the equivalent expenditure-revalued estimate rose by 4.5 per cent).

The Mining industry recorded the largest increase in trend for the December quarter (up 2.9 per cent), following a stronger increase in the previous quarter (up 5.1 per cent). Agriculture, forestry, fishing and hunting also continued its relatively strong pattern of

growth over the last couple of quarters (up 1.9 per cent). Four industries recorded declines over this period: Manufacturing (down 0.7 per cent), Construction (down 0.9 per cent), Wholesale and retail trade (down 0.7 per cent), and Community services (down 0.3 per cent). The latter two industries also recorded declines in the previous quarter.

Trend estimates of labour productivity have shown little change in the December quarter with GDP per person employed declining 0.3 per cent and GDP per hour work unchanged.

Recent analytical work within the ABS¹ suggests that growth in employment and hours worked tends to lag growth in GDP. Over the last 20 years the lag at turning points in the business cycle has varied between zero and four quarters, with the average being between two and three quarters. This implies that as a peak in a business cycle is approached estimates of labour productivity are likely to decline, particularly if rapid growth in GDP is abruptly ended as it was in 1986. Conversely, labour productivity estimates are likely to grow strongly when the economy comes out of a cyclical trough.

1 N. Batty, *Gross Domestic Product, Employment and Productivity*, June quarter 1989 issue of *Australian National Accounts: National Income and Expenditure* (5206.0).

EXPLANATORY NOTES

Introduction

This publication contains quarterly estimates of gross product at constant (average 1984-85) prices, classified by industry, and quarterly indexes of constant price gross domestic product per person employed and per hour worked. These estimates are published as part of an integrated system for the description and presentation of national accounting aggregate flows and stocks. The national income and expenditure estimates, the balance of payments estimates and the input-output tables form the other parts of the Australian system of national accounts. Estimates of gross product by industry at *current prices* are not included in this publication because of source data limitations.

Industry-revalued and expenditure-revalued estimates of gross domestic product

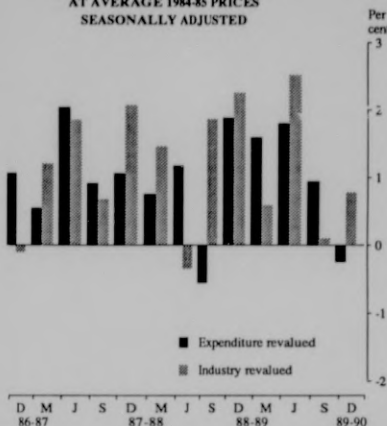
2. Gross domestic product (GDP) at constant prices can be estimated by either of the following methods:

- summing all final expenditures (plus exports less imports) at constant prices - the results are referred to as *expenditure-revalued estimates*, or
- summing the constant price gross product of each industry - the results are referred to as *industry-revalued estimates*.

The industry-revalued estimates are published quarterly and annually in *Australian National Accounts: Gross Product, Employment and Hours Worked* (5222.0 and 5211.0). Expenditure-revalued estimates are published quarterly and annually in *Australian National Accounts: National Income and Expenditure* (5206.0 and 5204.0). By convention, the expenditure-revalued estimates of GDP include the revalued statistical discrepancy (which makes them equivalent to the *income-based estimates* of GDP).

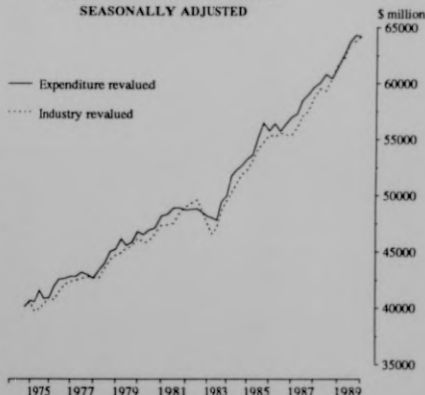
3. While the expenditure-revalued estimates and the industry-revalued estimates are conceptually equivalent, they differ in practice due mainly to the use of different data sources. As can be seen in the adjacent bar chart, the quarter-to-quarter movements of their seasonally adjusted estimates can differ quite markedly. Similar differences in short-term movements are also evident between the expenditure-revalued estimates including the statistical discrepancy (i.e. the income-based estimates) and the expenditure-revalued estimates excluding the statistical discrepancy (i.e. the expenditure-based estimates) published in 5206.0. The equivalent estimates produced in other countries exhibit differences of similar magnitude. Such differences highlight the need for caution in interpreting short-term movements. (To provide assistance in this regard, trend estimates are included in this publication.)

PERCENTAGE CHANGES IN GDP
AT AVERAGE 1984-85 PRICES
SEASONALLY ADJUSTED



4. Although the levels (see paragraph 9) and short-term movements of the expenditure-revalued and industry-revalued estimates can differ substantially, their long-term trends portray much the same picture, as can be seen from the following graph.

GDP AT AVERAGE 1984-85 PRICES
SEASONALLY ADJUSTED



Revisions in this issue

5. The estimates in this publication, in common with other national accounting estimates, are prepared from a wide range of statistical data, some of which are available without delay and some only after a lag of several quarters (or longer) from the period to which they relate. For this reason most estimates are subject to revision as more complete and more accurate information becomes available. Revisions are most likely to be of two main types:

- those made to the most recent quarters as firmer quarterly data come to hand; and
- those resulting from the rebenchmarking of quarterly estimates (described in paragraph 10, below) as revisions are made to annual estimates and more recent annual estimates become available.

6. Noteworthy revisions affecting earlier periods are as follows:

- The methodology for deriving gross product estimates for the Transport equipment industry in the manufacturing sector has been improved.
- Nearly all estimates of Agriculture gross product have been revised up.
- Estimates for the Construction industry have been substantially revised for the latest two years as a result of revisions to quarterly gross fixed capital expenditure estimates for both the private and public sectors, as outlined in the December quarter 1989 issue of *Australian National Accounts: National Income and Expenditure* (\$206.0).

Constant price estimation of industry estimates

7. Industry gross product estimates measure the market value of goods and services produced (output) within each industry after the deduction of the cost of goods and services used up in the process of production (intermediate usage) but before deducting allowances for the consumption of fixed capital (depreciation). This measure of gross product is equivalent to summing the value of wages, salaries and supplements, gross operating surplus and net indirect taxes.

8. The ideal method of estimating industry gross product is by *Double Deflation*, i.e. constant price gross output less constant price intermediate input. In most instances, data limitations prohibit the use of the double deflation method of estimating gross product at constant prices. One alternative for deriving constant price gross product is to use the *Gross Output* method i.e. the gross product in the base year (1984-85) is extrapolated by constant price estimates of output. Most of the quarterly constant price gross product estimates contained in this publication have been derived by the *Gross Output* method. The assumption underlying this method is that

gross product at constant prices moves proportionally to the value of output at constant prices. For three industries (*Finance, property and business services, Public administration and defence and Community services*) and some components of other industries the estimates of gross product have been derived, either directly or indirectly, by extrapolating gross product in the base year by hours worked estimates.

9. The base year (1984-85) *current price* estimates of gross product for the industry divisions appearing in Tables 1-8 have been derived mainly by the income approach i.e. by summing factor incomes (wages, salaries and supplements and gross operating surplus) and net indirect taxes. Thus, conceptually, the industry-revalued estimates of gross domestic product should equal the expenditure-revalued estimates (including the statistical discrepancy) for the base year (1984-85). However, this is often not the case because revised income-based estimates of GDP are unavailable at the industry level. Also, while income-based estimates are produced for the manufacturing division in total, they are not compiled for the manufacturing subdivisions. Rather, the base year gross product estimates for the manufacturing subdivisions are derived using the production approach (i.e. gross output less intermediate inputs). The two approaches result in significantly different estimates of total manufacturing gross product in the base year (1984-85). As a result, the *constant price* estimates of manufacturing gross product based on the income approach estimate for 1984-85 differ from the *constant price* estimates of manufacturing gross product derived by summing the manufacturing subdivision estimates based on the production approach estimates for 1984-85. The two series of constant price estimates of total manufacturing gross product and the difference between them are presented in Tables 9 and 11.

Relationship between quarterly and annual industry estimates

10. Estimating for a period of less than one year presents special problems in that it is often difficult to adhere strictly to the definitions and concepts used in producing annual estimates. Frequently, it is not possible to refer to the same data sources as used for annual estimates, and alternative quarterly data sources are generally much less detailed and can have quite different movements. For example, annual estimates of gross product for the mining industry (as published in ABS Catalogue No. 5211.0) are compiled (using the double deflation method) from detailed output and input data from the annual census of mining establishments. On the other hand, the quarterly series draw on the quantities of minerals mined (gross output), reported in surveys of mining establishments. In such cases, where the quarterly data sources are inferior to the annual, the quarterly data are used to generate "profile" series with which the annual estimates are interpolated and extrapolated. This method is commonly referred to as *benchmarking*.

11. Analysis of short-term movements requires some allowance to be made for the difficulties involved in deriving the quarterly estimates. The likelihood of revisions as more information becomes available and ir-

regularities arising from sampling and other statistical errors should also be taken into account.

12. A brief summary comparing the quarterly and annual methodologies was set out in the appendix of the June quarter 1988 issue of this publication. A more detailed description will be contained in a forthcoming edition of *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

Employment and hours worked indexes

13. The indexes of constant price gross domestic product per person employed and per hour worked are also referred to as measures of single factor (labour) productivity. As indicated in EPAC Council Paper No. 15

- (a) "Productivity can be defined broadly as the ratio of the output of goods and services to inputs of factors of production. The term single factor productivity refers to value added per unit of labour input ...".

It should be noted that these indexes reflect not only the contribution of labour to changes in product per unit of labour, but also the contribution of capital and other factors of production (such as managerial efficiency, economies of scale, etc.). The index of constant price gross product per person employed (or per hour worked) is derived by dividing an index of seasonally adjusted constant price gross product for all industries by an index of seasonally adjusted employment (or hours worked). All these indexes have a reference base of 1984-85 = 100.0. It is important to note that the method of using hours worked data to estimate the constant price gross product of certain industries (described in paragraph 8, above) assumes that there is no change in output per unit of labour input. Therefore, any aggregates which include these industries - such as gross domestic product - will not fully reflect changes in labour productivity.

14. The indexes of gross domestic product per person employed and hour worked appearing in this publication are presented only at the 'all industry' level. It is proposed to release more detailed data in a later issue of this publication.

15. The quarterly employment index used to derive the gross product per person employed index comprises all labour engaged in the production of goods and services and includes not only civilian wage and salary earners but also: employers; self-employed persons; persons working one hour or more without pay in a family business or on a farm; and members of the Australian defence forces.

16. In compiling total employment for the employment index, several sources are used:

- Wage and salary earners -

- (i) Prior to September quarter 1979, *Civilian Employees, Australia: June 1966 to June 1979* (6214.0) - now discontinued
- (ii) From September quarter 1979, *The Labour Force, Australia* (6203.0)

- Non-wage and salary earners - *The Labour Force, Australia* (6203.0)

- Enlisted service personnel - Department of Defence.

17. The quarterly hours worked index is derived from the monthly labour force survey estimates of total hours worked in the reference week. As labour force survey estimates exclude members of the Australian defence forces, these employees are assumed to work the same average hours per week as civilian employees. The hours worked index is formed by summing seasonally adjusted monthly hours worked (in the reference week) over each quarter, prior to indexing. The seasonal adjustment includes calendar corrections for the varying incidence of public holidays (associated with New Year's Day, Australia Day, Easter and some State holidays) with respect to the reference week.

Seasonal adjustment and trend estimation

18. Seasonal adjustment may be carried out by various methods and the results will vary slightly according to the procedure adopted. Accordingly, seasonally adjusted statistics should not be regarded as in any way definitive. In interpreting particular seasonally adjusted statistics it is important to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.

19. The general methods used in the ABS for making seasonal adjustments are described in *Seasonally Adjusted Indicators, Australia*, 1983 (1308.0). Particular details of the seasonal adjustment of series contained in this publication are available on request.

20. The trend estimates are derived by applying a 5-term Henderson-weighted moving average to the seasonally adjusted series. The weighting pattern for the final three values of the series is of the form shown below, where 'N' is the last quarter for which a value in the seasonally adjusted series is available.

5-TERM HENDERSON

Trend-cycle value for quarter	Weight given to seasonally adjusted values in quarter				
	N-4	N-3	N-2	N-1	N
N	0	0	-.073	.403	.670
N-1	0	-.073	.294	.522	.257
N-2	-.073	.294	.558	.294	-.073

21. While this technique enables trend estimates for recent quarters to be produced, it does result in revisions to the estimates for the most recent two quarters as additional observations become available. There may also be revisions because of changes in the original data, and as a result of the re-estimation of the seasonal factors. Details of other trend-cycle weighting patterns are available on request.

Rounding

22. Although percentage changes are presented to one decimal place in this publication, this does not imply that they can be regarded as accurate to the last digit shown. The figures after the decimal point are shown to avoid distortions which may occur in rounding off the figures to the nearest half or whole number.

23. The procedures used in preparing this publication may occasionally result in rounding differences between figures in this publication and corresponding figures in other publications. Where figures have been rounded, discrepancies may occur between the sums of component items and totals.

Related publications

24. Users may wish to refer to the following publications:

Australian National Accounts: National Income and Expenditure (5204.0) — issued annually

Australian National Accounts: National Income and Expenditure (5206.0) — issued quarterly

Australian National Accounts: Gross Product, Employment and Hours Worked (5211.0) — issued annually

Australian National Accounts: Quarterly Data on Floppy Disk (5228.0) — issued quarterly

Australian National Accounts: Concepts, Sources and Methods (5216.0) — irregular

Employed Wage and Salary Earners, Australia (6248.0) — issued monthly

The Labour Force, Australia (6203.0) — issued monthly

Civilian Employees, Australia (6213.0, 6214.0) (Last issue of 6213.0 is the April 1980 edition; last issue of 6214.0 is the 1979 edition)

Development of Multifactor Productivity Estimates for Australia, 1974-75 to 1987-88, Information Paper (5229.0)

Price Indexes of Articles Produced by Manufacturing Industry, Australia (6412.0) — issued monthly

Value of Agricultural Commodities Produced, Australia, 1987-88 (7503.0)

Manufacturing Establishments, Details of Operations by Industry Class, Australia, 1987-88 (8203.0)

Constant Price Estimates of Manufacturing Production, Australia, 1986-87 and 1987-88 (8211.0).

Quarterly Indexes of Manufacturing Production, Australia (8219.0) — issued quarterly.

Census of Mining Establishments, Details of Operations by Industry Class, Australia, 1987-88 (8402.0).

25. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The *Catalogue and Publications Advice* are available from any ABS office.

Symbols and other usages

- n.a. not available
- nil or rounded to zero

Electronic services

VIATEL. Key *656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through PAXUS COMNET. For further information phone the AUSSTATS Help Desk on (06) 252 6017.

TELESTATS. This service provides:

- foreign trade statistics tailored to users' requirements. Further information is available on (06) 252 5404.
- text and tables for Main Economic Indicator publications. Further information is available on (06) 252 6107.

Floppy disk services

Selected ABS statistics are available on floppy disk. Further information is available on (06) 252 6684.

TABLE 1 - INDUSTRY-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
ANNUAL, AND QUARTERLY SEASONALLY ADJUSTED

	\$ million		Index numbers (Base : 1984-85 = 100.0)			
	Gross domestic product	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
<i>Original</i>						
1976-77	169711	80.3	90.7	88.5	92.2	87.1
1977-78	171814	81.3	91.1	89.2	92.5	87.9
1978-79	179327	84.9	92.0	92.3	93.8	90.5
1979-80	183619	86.9	94.2	92.3	95.7	90.8
1980-81	189024	89.5	96.7	92.6	98.0	91.3
1981-82	196473	93.0	97.8	93.1	98.6	94.3
1982-83	190141	90.0	96.3	93.5	95.4	94.3
1983-84	199442	94.4	96.9	97.4	96.8	97.5
1984-85	211308	100.0	100.0	100.0	100.0	100.0
1985-86	221080	104.6	104.2	100.5	103.5	101.1
1986-87	23952	106.0	106.4	99.6	106.1	99.9
1987-88	235017	111.2	109.6	101.5	110.6	100.5
1988-89	248144	117.4	114.0	103.0	113.9	103.1
<i>Seasonally adjusted</i>						
1976-77 - Sept.	42105	79.7	90.6	88.0	n.a.	n.a.
Dec.	42420	80.3	90.8	88.4	n.a.	n.a.
Mar.	42496	80.4	90.8	88.5	n.a.	n.a.
June	42694	80.8	90.9	88.9	n.a.	n.a.
1977-78 - Sept.	42818	81.0	91.5	88.5	n.a.	n.a.
Dec.	42768	80.9	91.5	88.4	n.a.	n.a.
Mar.	42694	80.8	90.9	88.5	n.a.	n.a.
June	43551	82.4	90.9	90.6	91.7	89.9
1978-79 - Sept.	44315	83.8	91.4	91.7	92.8	90.3
Dec.	44743	84.7	91.8	92.3	93.2	90.9
Mar.	44938	85.0	92.4	92.0	94.6	90.9
June	45376	85.9	92.8	92.6	95.0	90.4
1979-80 - Sept.	45524	86.1	93.0	92.6	95.0	90.6
Dec.	46253	87.5	93.6	93.7	95.6	91.5
Mar.	45866	86.8	94.7	91.7	96.8	89.7
June	45947	86.9	95.2	91.3	96.1	90.4
1980-81 - Sept.	46617	88.2	96.1	91.8	97.6	90.4
Dec.	47396	89.7	96.3	93.1	98.1	91.4
Mar.	47430	89.7	96.9	92.6	98.2	91.3
June	47593	90.0	97.6	92.2	98.5	91.4
1981-82 - Sept.	48450	91.7	97.9	93.7	98.7	92.9
Dec.	49067	92.8	97.8	94.9	98.7	94.0
Mar.	49361	93.4	98.2	95.1	99.1	94.2
June	49622	93.9	97.8	96.0	98.2	95.6
1982-83 - Sept.	48718	92.2	97.6	94.5	96.9	95.1
Dec.	47493	89.9	96.6	91.1	96.1	93.5
Mar.	46611	88.2	95.6	92.3	94.4	93.4
June	47121	89.2	95.3	93.6	94.0	94.9
1983-84 - Sept.	48658	92.1	95.8	96.1	95.4	96.5
Dec.	49525	93.7	96.6	97.0	96.6	97.0
Mar.	50245	95.1	97.5	97.5	97.2	97.8
June	51055	96.6	98.7	97.9	98.6	98.0
1984-85 - Sept.	51851	98.1	99.2	98.9	99.7	98.4
Dec.	52294	98.9	99.5	99.4	99.5	99.4
Mar.	53141	100.5	100.1	100.2	100.2	100.3
June	54121	102.4	100.8	101.6	100.6	101.8
1985-86 - Sept.	54741	103.6	102.4	101.2	101.6	102.0
Dec.	55388	104.8	103.5	101.3	103.2	101.6
Mar.	55281	104.6	104.8	99.8	105.6	99.1
June	55576	105.2	105.6	99.6	104.0	101.2
1986-87 - Sept.	55448	104.9	105.7	99.2	105.7	99.2
Dec.	55396	104.8	106.1	98.8	106.0	98.9
Mar.	56064	106.1	106.7	99.4	106.5	99.6
June	57105	108.0	107.4	100.6	107.2	100.7
1987-88 - Sept.	57491	108.8	108.2	100.6	108.5	100.3
Dec.	58685	111.0	108.6	102.2	109.2	101.6
Mar.	59548	112.7	110.9	110.9	110.9	101.6
June	59344	112.3	111.3	100.9	114.5	98.1
1988-89 - Sept.	60451	114.4	112.1	102.1	112.0	102.1
Dec.	61816	117.0	113.2	103.4	113.9	102.7
Mar.	62179	117.6	114.6	102.6	113.7	103.4
June	63745	120.6	116.3	103.7	116.5	103.5
1989-90 - Sept.	63810	120.7	117.6	102.6	119.3	101.2
Dec.	64306	121.7	118.2	103.0	118.4	102.8

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 13 in the explanatory notes).

TABLE 2 - EXPENDITURE-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES, LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a) ANNUAL, AND QUARTERLY SEASONALLY ADJUSTED

	\$ million		Index numbers (Base : 1984-85 = 100.0)			
	Gross domestic product(b)	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
Original						
1976-77	171442	79.9	90.7	88.1	92.2	86.7
1977-78	173161	80.7	91.1	88.6	92.5	87.2
1978-79	181820	84.8	92.0	92.2	91.8	90.4
1979-80	186140	86.8	94.2	92.1	95.7	90.7
1980-81	192446	89.7	96.7	92.8	98.0	91.5
1981-82	195470	91.1	97.8	93.1	98.6	92.4
1982-83	192793	89.9	96.3	93.4	95.4	94.2
1983-84	203459	94.9	96.9	97.0	96.8	98.0
1984-85	214467	100.0	100.0	100.0	100.0	100.0
1985-86	224217	104.5	104.2	100.4	103.5	101.0
1986-87	229127	106.8	106.4	100.4	106.1	100.7
1987-88	239800	111.8	109.6	102.0	110.6	101.1
1988-89	248439	115.8	114.0	101.6	113.9	101.7
Seasonally adjusted						
1976-77 - Sept.	42662	79.5	90.6	87.7	n.a.	n.a.
Dec.	42831	79.8	90.8	87.9	n.a.	n.a.
Mar.	42852	79.8	90.8	87.9	n.a.	n.a.
June	43213	80.5	90.9	88.6	n.a.	n.a.
1977-78 - Sept.	43031	80.2	91.5	87.7	n.a.	n.a.
Dec.	42674	79.5	91.5	86.9	n.a.	n.a.
Mar.	43420	80.9	90.9	89.0	n.a.	n.a.
June	43983	81.9	90.9	90.1	91.7	89.3
1978-79 - Sept.	45056	83.9	91.4	91.8	92.8	90.4
Dec.	45276	84.3	91.8	91.8	93.2	90.5
Mar.	46177	86.0	92.4	93.1	94.6	90.9
June	45603	85.0	92.8	91.6	95.0	89.5
1979-80 - Sept.	45859	85.4	93.0	91.8	95.0	89.9
Dec.	46830	87.2	93.9	92.9	95.6	91.2
Mar.	46558	86.7	94.7	91.6	96.8	89.6
June	46963	87.5	95.2	91.9	96.1	91.1
1980-81 - Sept.	47107	87.8	96.1	91.4	97.6	90.0
Dec.	48244	89.9	96.3	93.4	98.1	91.6
Mar.	48321	90.0	96.9	92.9	98.2	91.6
June	48923	91.1	97.6	93.3	98.5	92.5
1981-82 - Sept.	48918	91.1	97.9	93.1	98.7	92.3
Dec.	48762	90.8	97.8	92.8	98.7	92.0
Mar.	48788	90.9	98.2	92.6	99.1	91.7
June	48869	91.0	97.8	93.0	98.2	92.7
1982-83 - Sept.	48584	90.5	97.6	92.7	96.9	93.4
Dec.	48170	89.7	96.6	92.9	96.1	93.3
Mar.	48049	89.5	95.6	91.6	94.4	94.8
June	47852	89.1	95.3	93.5	94.0	94.8
1983-84 - Sept.	49466	92.2	95.8	96.2	95.4	96.6
Dec.	49965	93.1	96.6	96.4	96.6	96.4
Mar.	51775	96.5	97.5	99.0	97.2	99.3
June	52297	97.4	98.7	98.7	98.6	98.8
1984-85 - Sept.	52648	98.1	99.2	98.9	99.7	98.4
Dec.	53251	99.2	99.5	99.7	99.5	99.7
Mar.	53663	100.0	100.4	99.6	100.2	99.8
June	55148	102.7	100.8	101.9	100.6	102.1
1985-86 - Sept.	56510	105.3	102.4	102.3	101.6	103.6
Dec.	55795	103.9	103.5	100.4	105.2	100.7
Mar.	56415	105.1	104.8	100.3	105.6	99.5
June	55760	103.9	105.6	98.4	104.0	99.9
1986-87 - Sept.	56403	105.1	105.7	99.4	105.7	99.4
Dec.	57004	106.2	106.1	100.1	106.0	100.2
Mar.	57319	106.8	106.8	100.3	106.5	100.3
June	58494	109.0	107.4	101.5	107.2	101.7
1987-88 - Sept.	59031	110.0	108.2	101.7	108.5	101.4
Dec.	59660	111.1	108.6	102.3	109.2	101.7
Mar.	60113	112.0	110.5	101.4	110.9	101.0
June	60824	113.3	111.3	101.8	114.5	99.0
1988-89 - Sept.	60490	112.7	112.1	100.5	112.0	100.6
Dec.	61631	114.8	113.2	101.4	113.9	100.8
Mar.	62614	116.6	114.6	101.7	113.7	102.6
June	63746	118.8	116.3	102.1	116.5	102.0
1989-90 - Sept.	64347	119.9	117.6	102.0	119.3	100.5
Dec.	64190	119.6	118.2	101.2	118.4	101.0

(a) Note that the estimates for the government consumption component of expenditure on gross domestic product largely assume no change per unit of labour input. (b) This series (which includes the statistical discrepancy) is published in Table 8 of Australian National Accounts: National Income and Expenditure (5206.0).

TABLE 3 - INDUSTRY-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
QUARTERLY TREND ESTIMATES

	\$ million		Index numbers (Base : 1984-85 = 100.0)			
	Gross domestic product	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
1976-77 - Sept.	42093	79.7	90.6	88.0	n.a.	n.a.
Dec.	42396	80.2	90.8	88.4	n.a.	n.a.
Mar.	42536	80.5	90.8	88.7	n.a.	n.a.
June	42687	80.8	91.0	88.8	n.a.	n.a.
1977-78 - Sept.	42802	81.0	91.4	88.6	n.a.	n.a.
Dec.	42709	80.8	91.4	88.4	n.a.	n.a.
Mar.	42846	81.1	91.0	89.1	n.a.	n.a.
June	43495	82.3	90.9	90.5	92.0	89.4
1978-79 - Sept.	44286	83.8	91.3	91.8	92.5	90.6
Dec.	44719	84.6	91.9	92.1	93.5	90.5
Mar.	45013	85.2	92.4	92.2	94.4	90.2
June	45272	85.7	92.7	92.4	95.0	90.2
1979-80 - Sept.	45713	86.5	93.1	92.9	95.1	91.0
Dec.	46013	87.1	93.9	92.8	95.8	90.9
Mar.	45972	87.0	94.6	91.9	96.3	90.3
June	45992	87.0	95.3	91.3	96.6	90.0
1980-81 - Sept.	46644	88.3	95.9	92.0	97.3	90.7
Dec.	47271	89.5	96.4	92.8	98.1	91.2
Mar.	47455	89.8	96.9	92.7	98.3	91.4
June	47700	90.3	97.6	92.6	98.5	91.7
1981-82 - Sept.	48395	91.6	97.8	93.6	98.6	92.9
Dec.	49035	92.8	98.0	94.7	98.9	93.9
Mar.	49468	93.6	98.0	95.5	98.9	94.6
June	49478	93.6	97.9	95.6	98.2	95.3
1982-83 - Sept.	48730	92.2	97.5	94.6	97.1	95.0
Dec.	47466	89.8	96.6	93.0	95.8	93.7
Mar.	46717	88.4	95.6	92.4	94.5	93.5
June	47219	89.4	95.3	93.8	94.2	94.9
1983-84 - Sept.	48496	91.8	95.8	95.8	95.3	96.3
Dec.	49544	93.8	96.6	97.1	96.5	97.2
Mar.	50270	95.1	97.6	97.5	97.4	97.7
June	51075	96.7	98.6	98.1	98.6	98.1
1984-85 - Sept.	51770	98.0	99.2	98.8	99.5	98.5
Dec.	52370	99.1	99.6	99.5	99.7	99.3
Mar.	53157	100.6	100.2	100.4	100.0	100.6
June	54057	102.3	101.0	101.2	100.7	101.6
1985-86 - Sept.	54827	103.8	102.2	101.5	101.6	102.2
Dec.	55245	104.6	103.6	101.0	103.6	101.0
Mar.	55427	104.9	104.8	100.1	104.7	100.2
June	55479	105.0	105.5	99.5	104.9	100.1
1986-87 - Sept.	55438	104.9	105.8	99.2	105.2	99.7
Dec.	55469	105.0	106.1	99.0	106.1	98.9
Mar.	56115	106.2	106.7	99.5	106.5	99.7
June	56922	107.7	107.4	100.2	107.3	100.4
1987-88 - Sept.	57683	109.2	108.0	101.1	108.3	100.8
Dec.	58655	111.0	108.9	101.9	109.3	101.6
Mar.	59320	112.3	110.2	101.9	111.6	100.7
June	59595	112.8	111.4	101.3	113.1	99.7
1988-89 - Sept.	60467	114.4	112.1	102.0	113.2	101.0
Dec.	61562	116.5	113.2	102.9	113.0	103.1
Mar.	62540	118.4	114.7	103.3	114.3	103.6
June	63405	120.0	116.3	103.2	116.6	103.0
1989-90 - Sept.	64035	121.2	117.6	103.1	118.7	102.1
Dec.	64155	121.4	118.1	102.8	118.9	102.1

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 13 in the explanatory notes).

TABLE 4 - EXPENDITURE-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (a)
QUARTERLY TREND ESTIMATES

	\$ million		Index numbers (Base : 1984-85 = 100.0)			
	Gross domestic product(b)	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
1976-77 - Sept.	42734	79.5	90.6	87.8	n.a.	n.a.
Dec.	42776	79.6	90.8	87.7	n.a.	n.a.
Mar.	42953	80.0	90.8	88.1	n.a.	n.a.
June	43121	80.3	91.0	88.2	n.a.	n.a.
1977-78 - Sept.	42964	80.0	91.4	87.5	n.a.	n.a.
Dec.	42862	79.8	91.4	87.3	n.a.	n.a.
Mar.	43275	80.6	91.0	88.6	92.0	n.a.
June	44134	82.2	90.9	90.4	92.0	89.3
1978-79 - Sept.	44843	83.5	91.3	91.4	92.5	90.3
Dec.	45547	84.8	91.9	92.3	93.5	90.7
Mar.	45849	85.3	92.4	92.3	94.4	90.4
June	45781	85.2	92.7	91.9	95.0	89.7
1979-80 - Sept.	45994	85.6	93.1	91.9	95.1	90.0
Dec.	46545	86.6	93.9	92.3	95.8	90.4
Mar.	46768	87.1	94.6	92.0	96.3	90.4
June	46802	87.1	95.3	91.4	96.6	90.1
1980-81 - Sept.	47350	88.1	95.9	91.8	97.3	90.5
Dec.	47977	89.3	95.4	92.6	98.1	91.0
Mar.	48521	90.3	96.9	93.2	98.3	91.9
June	48806	90.9	97.6	93.2	98.5	92.3
1981-82 - Sept.	48927	91.1	97.8	93.1	98.6	92.3
Dec.	48796	90.8	98.0	92.7	98.9	91.8
Mar.	48810	90.9	98.0	92.7	98.9	91.9
June	48821	90.9	97.9	92.8	98.2	92.6
1982-83 - Sept.	48570	90.4	97.5	92.7	97.1	93.1
Dec.	48228	89.8	96.6	93.0	95.8	93.7
Mar.	47883	89.1	95.6	93.2	94.5	94.3
June	48205	89.7	95.3	94.1	94.2	95.2
1983-84 - Sept.	49073	91.3	95.8	95.3	95.3	95.8
Dec.	50334	93.7	96.6	97.0	96.5	97.1
Mar.	51502	95.9	97.6	98.3	97.4	98.5
June	52348	97.4	98.6	98.8	98.6	98.8
1984-85 - Sept.	52712	98.1	99.2	98.9	99.5	98.6
Dec.	53126	98.9	99.6	99.3	99.7	99.1
Mar.	53844	100.2	100.2	100.0	100.0	100.2
June	55204	102.8	101.0	101.7	100.7	102.1
1985-86 - Sept.	56116	104.5	102.2	102.2	101.6	102.9
Dec.	56237	104.7	103.6	101.1	103.6	101.1
Mar.	56034	104.3	104.8	99.6	104.7	99.6
June	56047	104.3	105.5	98.9	104.9	99.4
1986-87 - Sept.	56323	104.8	105.8	99.1	105.2	99.6
Dec.	56902	105.9	106.1	99.8	106.1	99.8
Mar.	57513	107.1	106.7	100.4	106.5	100.6
June	58330	108.6	107.4	101.1	107.3	101.2
1987-88 - Sept.	59104	110.0	108.0	101.8	108.3	101.6
Dec.	59608	111.0	108.9	101.9	109.3	101.6
Mar.	60241	112.1	110.2	101.7	111.6	102.1
June	60543	112.7	111.1	101.2	113.1	99.6
1988-89 - Sept.	60795	113.2	112.1	101.0	112.2	100.0
Dec.	61489	114.3	113.1	101.1	113.0	101.3
Mar.	62587	116.2	114.7	102.0	114.3	102.1
June	63713	118.6	116.3	101.8	116.6	101.8
1989-90 - Sept.	64257	119.6	117.6	101.7	118.7	100.8
Dec.	64286	119.7	118.1	101.4	118.9	100.7

(a) Note that the estimates for the government consumption component of expenditure on gross domestic product largely assume no change per unit of labour input. (b) This series (which includes the statistical discrepancy) is published in Table 8 of Australian National Accounts: National Income and Expenditure (5206.0)

TABLE 5 - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED

(\$ million)

ASIC Divn.	Industry	Quarters ended											
		1986-87				1987-88				1988-89			
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
A	Agriculture, forestry, fishing & hunting	2287	2306	2326	2394	2196	2216	2281	2104	2214	2284	2273	2327
B	Mining	3783	3822	4005	3997	3945	4502	4374	4281	4485	4732	4454	4690
C	Manufacturing	9686	9616	9776	9923	10188	10293	10604	10265	10518	10863	10950	11306
D	Electricity, gas & water	1992	2003	2036	2069	2095	2148	2155	2141	2166	2274	2229	2257
E	Construction	3834	3757	3855	3871	3914	4107	4198	4191	4433	4532	4536	4819
F	Wholesale & retail trade	8584	8428	8347	8471	8691	8909	9010	9128	9237	9399	9641	9953
G,H	Transport, storage & communication	4187	4230	4311	4399	4494	4565	4668	4664	4821	4834	4790	4916
I	Finance, property & business services	5729	5919	5988	6282	6363	6380	6589	6671	6681	6879	7017	7051
J	Public administration & defence	2382	2362	2355	2412	2414	2424	2413	2460	2424	2436	2385	2413
K	Community services	6734	6715	6841	7049	7021	7099	7119	7284	7270	7330	7532	7620
L	Recreation, personal and other services	2176	2184	2202	2217	2267	2211	2258	2317	2391	2341	2394	2389
	Ownership of dwellings	4751	4776	4800	4824	4846	4870	4895	4918	4945	4975	5005	5034
	Import duties	691	685	674	718	695	741	752	756	821	965	1003	1027
less	Imputed bank service charge	1368	1407	1452	1521	1638	1690	1768	1836	1955	2028	2030	1967
	Gross domestic product	55448	55396	56064	57105	57491	58685	59548	59344	60451	61816	62179	63745

TABLE 6 - PERCENTAGE CHANGES IN GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED

ASIC Divn.	Industry	Change from preceding quarter											
		1986-87				1987-88				1988-89			
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
A	Agriculture, forestry, fishing & hunting	0.8	0.9	2.9	-8.3	0.9	2.9	-7.8	5.2	3.2	-0.5	2.4	3.2
B	Mining	1.0	4.8	-0.2	-1.3	14.1	-2.8	-2.1	4.8	5.5	-5.9	3.3	3.2
C	Manufacturing	-0.7	1.7	1.5	2.7	1.0	3.0	-3.2	2.5	3.3	0.8	-0.9	0.4
D	Electricity, gas & water	0.6	1.6	1.6	1.3	2.5	0.3	-0.6	1.2	5.0	-2.0	1.3	2.7
E	Construction	-2.0	2.6	0.4	1.1	4.9	2.2	-0.2	5.8	2.2	0.1	6.2	1.3
F	Wholesale & retail trade	-1.8	-1.0	1.5	2.6	2.5	1.1	1.3	1.2	1.8	2.6	3.2	-1.9
G,H	Transport, storage & communication	1.0	1.9	2.0	2.2	1.6	2.3	-0.1	3.4	0.3	-0.9	2.6	0.3
I	Finance, property & business services	3.3	1.2	4.9	1.3	0.3	3.3	1.2	0.1	3.0	2.0	0.5	1.3
J	Public administration & defence	-0.8	-0.3	2.4	0.1	0.4	-0.5	1.9	-1.5	0.5	-2.1	1.2	-1.7
K	Community services	-0.3	1.9	3.0	-0.4	-0.2	1.6	2.3	-0.2	0.8	2.8	1.2	-2.1
L	Recreation, personal and other services	0.4	0.8	0.7	2.3	-2.5	2.1	2.6	3.2	-2.1	2.3	-0.2	3.0
	Ownership of dwellings	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
	Import duties	-0.9	-1.6	6.5	-3.2	6.6	1.5	0.5	8.6	17.5	3.9	2.4	2.5
less	Imputed bank service charge	2.9	3.2	4.8	7.7	3.2	4.6	3.8	6.5	3.7	0.1	-3.1	1.5
	Gross domestic product	-0.1	1.2	1.9	0.7	2.1	1.5	-0.3	1.9	2.3	0.6	2.5	0.1

TABLE 7 - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - TREND ESTIMATES

(\$ million)

ASIC Divn.	Industry	Quarters ended											
		1986-87				1987-88				1988-89			
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
A	Agriculture, forestry, fishing & hunting	2288	2302	2353	2335	2244	2224	2221	2167	2193	2270	2287	2326
B	Mining	3797	3844	3970	3960	4088	4354	4408	4319	4508	4621	4555	4561
C	Manufacturing	9615	9669	9749	9953	10141	10383	10450	10393	10507	10799	11042	11215
D	Electricity, gas & water	1998	2004	2035	2066	2103	2141	2152	2142	2187	2240	2249	2259
E	Construction	3892	3773	3828	3870	3942	4088	4173	4245	4401	4508	4600	4779
F	Wholesale & retail trade	8538	8442	8365	8470	8692	8891	9022	9122	9240	9402	9682	9859
G,H	Transport, storage & communication	4200	4232	4309	4401	4488	4579	4638	4706	4792	4824	4827	4884
I	Finance, property & business services	5754	5875	6046	6239	6355	6422	6562	6656	6718	6864	7002	7060
J	Public administration & defence	2382	2361	2367	2399	2421	2416	2429	2440	2442	2417	2406	2399
K	Community services	6719	6733	6860	7007	7032	7022	7131	7248	7284	7354	7523	7575
L	Recreation, personal & other services	2182	2183	2198	2230	2241	2233	2251	2327	2364	2369	2372	2409
	Ownership of dwellings	4751	4776	4800	4824	4846	4870	4895	4918	4945	4975	5005	5034
	Import duties	696	678	687	699	713	731	749	760	836	945	1009	1035
less	Imputed bank service charge	1374	1403	1452	1531	1623	1699	1761	1848	1950	2026	2019	1981
	Gross domestic product	55438	55469	56115	56922	57683	58655	59320	59595	60467	61562	62540	63405

TABLE 8 - PERCENTAGE CHANGES IN GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - TREND ESTIMATES

ASIC Divn.	Industry	Change from preceding quarter											
		1986-87				1987-88				1988-89			
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
A	Agriculture, forestry, fishing & hunting	0.6	2.2	-0.8	-3.9	-0.9	-0.1	-2.4	1.2	3.5	0.7	1.7	3.4
B	Mining	1.2	3.3	-0.3	3.2	6.5	1.2	-2.0	4.4	2.5	-1.4	0.1	5.1
C	Manufacturing	0.6	0.8	2.1	1.9	2.4	0.6	-0.5	1.1	2.8	2.3	1.6	0.2
D	Electricity, gas & water	0.3	1.5	1.5	1.8	1.8	0.5	-0.5	2.1	2.4	0.4	0.4	2.4
E	Construction	-3.1	1.5	1.1	1.9	3.7	2.1	1.7	3.7	2.4	2.0	3.9	1.7
F	Wholesale & retail trade	-1.1	-0.9	1.3	2.6	2.2	1.5	1.1	1.3	1.8	3.0	1.8	-0.3
G,H	Transport, storage & communication	0.8	1.8	2.1	2.0	2.0	1.3	1.5	1.8	0.7	0.1	1.2	1.3
I	Finance, property & business services	2.1	2.9	3.2	1.9	1.1	2.2	1.4	0.9	2.2	2.0	0.8	1.6
J	Public administration & defence	-0.9	0.3	1.4	0.9	-0.2	0.5	0.5	0.1	-1.0	-0.5	-0.7	0.4
K	Community services	0.2	1.9	2.1	0.4	-0.1	1.6	1.6	0.5	1.0	2.3	0.7	-0.7
L	Recreation, personal & other services	—	0.7	1.5	0.5	-0.4	0.8	3.4	1.6	0.2	0.1	1.6	1.6
	Ownership of dwellings	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
	Import duties	-2.6	1.3	1.7	2.0	2.5	2.5	1.5	10.0	13.0	6.8	2.6	-0.2
less	Imputed bank service charge	2.1	3.5	5.4	6.0	4.7	3.6	4.9	5.5	3.9	-0.3	-1.9	1.4
	Gross domestic product	0.1	1.2	1.4	1.3	1.7	1.1	0.5	1.5	1.8	1.6	1.4	1.0

TABLE 9 - MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - SEASONALLY ADJUSTED (\$ million)

AS/C Sub- Divn.	Industry	Quarters ended													
		1986-87				1987-88				1988-89				1989-90	
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
21	Food, beverages & tobacco	1819	1841	1826	1868	1926	1959	1998	1915	1942	2012	2039	2030	2055	2070
23	Textiles	245	223	221	225	242	231	257	203	209	245	231	240	233	223
24	Clothing & footwear	347	382	391	361	372	383	373	379	402	399	400	414	397	371
25	Wood, wood products & furniture	501	511	529	533	569	578	566	611	594	616	598	614	593	608
26	Paper, etc, printing & publishing	939	993	1021	1055	1070	1067	1156	1048	1134	1158	1138	1202	1230	1137
27	Chemicals, petroleum & coal products	683	709	672	730	735	746	775	743	756	751	765	791	774	747
28	Non-metallic mineral products	438	456	418	447	442	472	501	444	499	501	516	490	515	513
29	Basic metal products	922	925	948	935	916	932	920	941	948	992	1040	1050	1057	1014
31	Fabricated metal products	703	702	688	702	758	800	812	786	825	779	847	898	857	872
32	Transport equipment	897	732	624	786	816	809	831	862	852	903	884	969	938	943
33	Other machinery & equipment	1007	968	1044	1012	1054	1027	1095	1092	1063	1160	1137	1192	1155	1251
34	Miscellaneous manufacturing	482	476	484	548	548	542	550	496	530	558	560	595	587	601
Total manufacturing - production approach		8983	8918	9066	9202	9448	9546	9834	9520	9754	10074	10155	10485	10391	10352
Difference (a)		703	698	710	721	740	747	770	745	764	789	795	821	814	811
Total manufacturing - income approach		9686	9616	9776	9923	10188	10293	10604	10265	10518	10863	10950	11306	11205	11163

(a) For an explanation of the difference between the production and income approaches to the estimation of gross product see paragraph 7 of the explanatory notes.

TABLE 10 - PERCENTAGE CHANGES IN MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - SEASONALLY ADJUSTED

AS/SC Sub- Divn.	Industry	Change from preceding quarter												Dec. Qtr 1988	
		1986-87				1987-88				1988-89				1989-90	Dec. Qtr 1989
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	
21	Food, beverages & tobacco	1.2	-0.8	2.3	3.1	1.7	2.0	-4.2	1.4	3.6	1.3	-0.4	1.2	0.7	2.9
23	Textiles	-9.0	-0.9	1.8	7.6	-4.5	11.3	-21.0	3.0	17.2	-5.7	3.9	-2.9	-4.3	-9.0
24	Clothing & footwear	10.1	2.4	-7.7	3.0	3.0	-2.6	1.6	6.1	-0.7	0.3	3.5	-4.1	-6.5	-7.0
25	Wood, wood products & furniture	2.0	3.5	0.8	6.8	1.6	-2.1	8.0	-2.8	3.7	-2.9	2.7	-3.4	2.5	-1.3
26	Paper, etc, printing & publishing	5.8	2.8	3.3	1.4	-0.2	8.3	-9.3	8.2	2.1	-1.7	5.6	2.3	-7.6	-1.8
27	Chemicals, petroleum & coal products	3.8	-5.2	8.6	0.7	1.5	3.9	-4.1	1.7	-0.7	1.9	3.4	-2.1	-3.5	-0.5
28	Non-metallic mineral products	4.1	-8.3	6.9	-1.1	6.8	6.1	-11.4	12.4	0.4	3.0	-5.0	5.1	-0.4	2.4
29	Basic metal products	0.3	2.5	-1.4	-2.0	1.7	-1.3	2.3	0.7	4.6	4.8	1.0	0.7	-4.1	2.2
31	Fabricated metal products	-0.1	-2.0	2.0	8.0	5.5	1.5	-3.2	5.0	-5.6	8.7	6.0	-4.6	1.8	11.9
32	Transport equipment	-18.4	12.6	-4.6	3.8	-0.9	2.7	3.7	-1.2	6.0	-2.1	9.6	-3.2	0.5	4.4
33	Other machinery & equipment	-3.9	7.9	-3.1	4.2	-2.6	6.6	-0.3	-2.7	9.1	-2.0	4.8	-3.1	8.5	8.0
34	Miscellaneous manufacturing	-1.2	1.7	13.2	—	-1.1	1.5	-9.8	6.9	5.3	0.4	6.3	-1.3	2.4	7.7
Total manufacturing - production approach		-0.7	1.7	1.5	2.7	1.0	3.0	-3.2	2.5	3.3	0.8	3.2	-0.9	-0.4	2.8

TABLE 11 - MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - TREND ESTIMATES

(\$ million)

ASIC Sub- Divn.	Industry	Quarters ended											
		1986-87				1987-88				1988-89			
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
21	Food, beverages & tobacco	1824	1831	1836	1868	1921	1971	1972	1937	1943	2005	2034	2038
23	Textiles	245	227	219	229	234	244	238	215	213	234	239	236
24	Clothing & footwear	365	375	384	370	371	379	376	382	397	401	404	409
25	Wood, wood products & furniture	509	509	524	541	564	573	580	595	607	605	609	603
26	Paper, etc, printing & publishing	937	988	1025	1053	1062	1096	1106	1096	1114	1150	1156	1199
27	Chemicals, petroleum & coal products	682	693	694	715	738	753	761	755	749	754	769	785
28	Non-metallic mineral products	448	440	434	435	450	476	480	471	482	510	505	502
29	Basic metal products	901	935	942	934	924	923	928	934	954	993	1034	1056
31	Fabricated metal products	705	698	690	707	755	799	804	805	799	803	843	882
32	Transport equipment	832	798	781	808	803	815	833	851	869	881	913	942
33	Other machinery & equipment	982	1000	1014	1036	1031	1051	1080	1084	1092	1127	1164	1163
34	Miscellaneous manufacturing	489	474	496	535	551	549	533	514	525	552	570	585
Total manufacturing - production approach		8917	8967	9041	9230	9404	9629	9691	9638	9744	10014	10240	10400
Difference (a)		696	701	710	722	737	754	759	754	763	784	802	815
Total manufacturing - income approach		9615	9669	9749	9953	10141	10383	10450	10393	10507	10799	11042	11215

(a) For an explanation of the difference between the production and income approaches to the estimation of gross product see paragraph 7 of the explanatory notes.

TABLE 12 - PERCENTAGE CHANGES IN MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION - TREND ESTIMATES

ASIC Sub- Divn.	Industry	Change from preceding quarter											
		1986-87				1987-88				1988-89			
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
21	Food, beverages & tobacco	0.4	0.3	1.7	2.8	2.6	—	-1.8	0.3	3.2	1.5	0.2	0.7
23	Textiles	-7.3	-3.2	4.1	2.5	4.3	-2.6	-9.5	-1.3	9.9	2.3	-1.3	-1.5
24	Clothing & footwear	2.8	2.5	-3.7	0.2	2.2	-0.8	1.8	3.8	1.0	0.8	1.3	-3.4
25	Wood, wood products & furniture	0.1	2.9	3.2	4.3	1.5	1.4	2.5	2.1	-0.4	0.6	-0.9	-0.1
26	Paper, etc, printing & publishing	5.5	3.8	2.7	0.8	2.2	0.9	-1.0	1.7	3.2	0.5	3.7	0.4
27	Chemicals, petroleum & coal products	1.7	0.2	2.9	3.3	1.9	1.2	-0.8	-0.9	0.7	1.9	2.1	-1.5
28	Non-metallic mineral products	-1.8	-1.3	—	3.5	5.8	1.0	-2.0	2.4	5.8	-0.9	-0.6	0.9
29	Basic metal products	3.8	0.7	-0.8	-1.1	-0.1	0.5	0.6	2.2	4.0	4.2	2.1	-1.0
31	Fabricated metal products	-1.0	-1.2	2.5	6.8	5.9	0.6	0.1	-0.6	0.5	4.9	4.6	-0.9
32	Transport equipment	-4.2	-2.1	3.5	-0.6	1.5	2.2	2.1	2.1	1.3	3.7	3.1	1.1
33	Other machinery & equipment	1.8	1.5	2.1	-0.4	1.9	2.7	0.4	0.7	3.2	3.2	-0.1	2.5
34	Miscellaneous manufacturing	-3.0	4.6	7.9	3.0	-0.3	-2.8	-3.7	2.1	5.3	3.2	2.6	1.8
Total manufacturing - production approach		0.6	0.8	2.1	1.9	2.4	0.6	-0.5	1.1	2.8	2.3	1.6	0.2

HISTORICAL TABLES

TABLE 13 - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY
(\$ million)

	Agriculture, forestry, fishing and hunting	Mining	Manufacturing	Electricity, gas and water	Construction	Wholesale and retail trade	Transport, storage and communication	Finance, property and business services
1974-75	7035	10653	33400	4721	12119	28458	9451	14857
1975-76	7641	10379	33041	4903	12764	28291	9695	14673
1976-77	7847	11054	33859	5264	13433	29184	10381	14847
1977-78	7584	11345	33711	5337	13014	28571	11515	15017
1978-79	9259	11590	35097	5572	13359	29330	11844	15435
1979-80	8082	11799	36616	5968	13646	30476	12374	16555
1980-81	7050	11306	37369	6247	14636	31126	13268	17683
1981-82	8249	10953	38292	6611	15248	32433	13692	18519
1982-83	6613	11476	35144	6847	15607	31151	13552	18335
1983-84	9264	12567	35671	7125	15528	32371	14313	18916
1984-85	9258	14196	37498	7564	14702	34045	15426	20451
1985-86	8990	16372	38418	7891	15564	34434	16398	22230
1986-87	9238	15592	39349	8095	15289	33838	17127	23936
1987-88	8798	17085	41330	8533	16362	35774	18388	27616
1988-89	9020	18271	43632	8920	18327	38255	19364	27640
1974-75 - Sept.	1166	2556	9023	1214	2931	7100	2645	3777
1974-75 - Dec.	3039	2767	8684	1156	3219	7408	2521	3721
1974-75 - Mar.	1965	2630	7845	1156	2735	6856	2261	3685
1974-75 - June	665	2760	7848	1195	3237	7094	2424	3674
1975-76 - Sept.	1458	2463	8196	1220	3101	7053	2510	3665
1975-76 - Dec.	3427	2650	8450	1197	3349	7323	2491	3652
1975-76 - Mar.	1724	2560	8072	1223	2834	6794	2438	3653
1975-76 - June	1032	2706	8323	1263	3496	7121	2438	3703
1976-77 - Sept.	1663	2660	8571	1348	3248	7286	2565	3727
1976-77 - Dec.	3020	2693	8953	1300	3468	7906	2661	3722
1976-77 - Mar.	2131	2687	7838	1290	3067	6864	2537	3693
1976-77 - June	1033	2816	8497	1322	3650	7138	2618	3705
1977-78 - Sept.	1798	2974	8539	1386	3198	7161	2859	3778
1977-78 - Dec.	3241	2844	8835	1324	3292	7620	2936	3766
1977-78 - Mar.	1543	2676	7781	1283	3005	6664	2760	3706
1977-78 - June	1002	2851	8556	1344	3519	7127	2960	3767
1978-79 - Sept.	1637	2942	8833	1424	3147	7247	2880	3807
1978-79 - Dec.	3672	2958	9189	1343	3443	7778	3014	3820
1978-79 - Mar.	2050	2795	8214	1381	3098	6948	2792	3934
1978-79 - June	991	2903	8861	1424	3671	7357	2926	4074
1979-80 - Sept.	1523	3006	9417	1534	3313	7504	3031	4037
1979-80 - Dec.	3939	2990	9980	1462	3502	8104	3171	4066
1979-80 - Mar.	1685	2559	8592	1471	3140	7322	2920	4157
1979-80 - June	945	2638	9027	1501	3691	7546	3052	4265
1980-81 - Sept.	1476	2867	9428	1597	3619	7751	3370	4157
1980-81 - Dec.	3244	2879	9881	1541	3819	8242	3414	4380
1980-81 - Mar.	1411	2798	8704	1524	3379	7359	3171	4528
1980-81 - June	919	2762	9356	1585	3819	7774	3313	4618
1981-82 - Sept.	1354	2672	9856	1698	3782	7995	3413	4572
1981-82 - Dec.	4253	2758	10093	1591	3978	8560	3488	4537
1981-82 - Mar.	1596	2571	8783	1618	3575	7763	3322	4716
1981-82 - June	1046	2952	9560	1704	3913	8115	3469	4694
1982-83 - Sept.	1600	2940	9698	1790	3579	7992	3436	4704
1982-83 - Dec.	2870	2886	9000	1690	3557	8417	3447	4803
1982-83 - Mar.	1302	2713	7713	1660	3252	7502	3307	4527
1982-83 - June	741	2919	8693	1717	3472	7510	3366	4706
1983-84 - Sept.	1462	3094	8990	1814	3131	7871	3445	4640
1983-84 - Dec.	4536	3058	9242	1743	3505	8652	3608	4737
1983-84 - Mar.	2224	3110	8387	1749	3071	7815	3589	4719
1983-84 - June	1042	3305	9052	1819	3821	8153	3671	4820
1984-85 - Sept.	1430	3527	9608	1948	3426	8367	3848	4950
1984-85 - Dec.	4750	3503	9572	1858	3825	8949	3986	5067
1984-85 - Mar.	1723	3358	8719	1860	3419	7749	3749	5137
1984-85 - June	1355	3308	9599	1898	4032	8550	3843	5297
1985-86 - Sept.	1584	4445	9913	2023	3617	8653	4015	5313
1985-86 - Dec.	4461	4090	10170	1905	3895	9318	4303	5473
1985-86 - Mar.	1634	3842	9554	1954	3564	8062	3926	5657
1985-86 - June	1311	3858	9493	2005	4488	8401	4154	5703
1986-87 - Sept.	1593	3923	9992	2073	3726	8531	4201	5729
1986-87 - Dec.	4286	3867	10051	1962	3892	8995	4390	5917
1986-87 - Mar.	2006	3887	9057	2008	3508	7938	4174	5874
1986-87 - June	1403	3915	9889	2060	4163	8374	4362	6312
1987-88 - Sept.	1666	4097	10487	2183	3830	8640	4506	6364
1987-88 - Dec.	4157	4553	10785	2105	4261	9610	4743	6379
1987-88 - Mar.	1661	4251	9827	2114	3838	8513	4515	6576
1987-88 - June	1334	4184	10231	2131	4433	8963	4634	6697
1988-89 - Sept.	1602	4462	10814	2257	4359	9201	4831	6684
1988-89 - Dec.	4507	4762	11393	2229	4697	10178	5028	6874
1988-89 - Mar.	1549	4332	10151	2186	4157	9114	4627	7002
1988-89 - June	1362	4491	11274	2248	4314	9762	4878	7080
1989-90 - Sept.	1824	4939	11511	2416	4791	9717	4933	7141
1989-90 - Dec.	4759	5064	11711	2302	4955	10549	5181	7333

HISTORICAL TABLES

TABLE 13 (CONT) - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY
(\$ million)

	Public administration and defence	Community services	Recreation, personal and other services	Ownership of dwellings	Import duties	Less Imputed bank service charge	Gross domestic product
1974-75	7170	16571	7077	12130	1824	5311	160555
1975-76	7552	18134	7163	12658	1724	5038	163580
1976-77	7575	18839	7211	13309	1967	5067	169711
1977-78	7700	19798	7260	14062	1821	4921	171814
1978-79	7867	20428	7336	14805	2108	4643	179327
1979-80	7782	20932	7439	15589	2020	5059	183619
1980-81	8107	21424	7651	16438	2341	5622	189024
1981-82	8271	22157	7900	17122	2635	5699	196473
1982-83	8209	23144	7871	17508	2266	5582	190141
1983-84	8900	24482	8148	17873	2436	6152	194442
1984-85	9209	25412	8383	18286	2927	6049	211308
1985-86	9271	26574	8723	18741	3045	5571	221080
1986-87	9511	27339	8778	19151	2767	5748	223952
1987-88	9711	28413	9050	19529	2940	6932	235017
1988-89	9658	29758	9513	19959	3807	7980	248144
1974-75 - Sept.	1746	4002	1726	2976	564	1349	40077
1974-75 - Dec.	1763	4191	1825	3016	498	1321	42487
1974-75 - Mar.	1799	4231	1759	3050	388	1328	39037
1974-75 - June	1862	4147	1739	3088	374	1313	38954
1975-76 - Sept.	1891	4321	1769	3115	414	1270	39906
1975-76 - Dec.	1893	4706	1839	3148	422	1248	43299
1975-76 - Mar.	1887	4643	1809	3180	442	1259	39808
1975-76 - June	1881	4464	1746	3215	446	1261	40567
1976-77 - Sept.	1891	4622	1775	3257	486	1264	42035
1976-77 - Dec.	1884	4932	1865	3304	499	1261	44946
1976-77 - Mar.	1893	4705	1804	3351	511	1276	41095
1976-77 - June	1907	4580	1767	3397	471	1266	41635
1977-78 - Sept.	1918	4881	1775	3446	470	1241	42942
1977-78 - Dec.	1917	5100	1877	3493	526	1256	45456
1977-78 - Mar.	1927	4901	1815	3539	454	1259	40825
1977-78 - June	1938	4916	1793	3584	460	1225	42591
1978-79 - Sept.	1959	5105	1826	3628	536	1221	43950
1978-79 - Dec.	1976	5194	1897	3678	550	1254	47353
1978-79 - Mar.	1940	5059	1839	3725	498	1244	43938
1978-79 - June	1992	5070	1774	3773	524	1254	44086
1979-80 - Sept.	1953	5282	1789	3820	471	1239	45441
1979-80 - Dec.	1940	5445	1811	3871	537	1217	49527
1979-80 - Mar.	1906	5138	1895	3923	531	1297	43942
1979-80 - June	1983	5067	1844	3975	481	1306	44709
1980-81 - Sept.	1977	5372	1882	4026	564	1324	46762
1980-81 - Dec.	2039	5576	1970	4082	600	1383	50284
1980-81 - Mar.	2027	5289	1905	4138	599	1446	45386
1980-81 - June	2064	5187	1894	4192	578	1469	46592
1981-82 - Sept.	2113	5460	1949	4251	668	1432	48351
1981-82 - Dec.	2074	5740	2033	4265	643	1522	52691
1981-82 - Mar.	2044	5459	1986	4291	670	1424	46970
1981-82 - June	2040	5498	1932	4315	654	1431	48461
1982-83 - Sept.	2012	5838	1950	4342	652	1377	49156
1982-83 - Dec.	2064	5992	2048	4385	555	1379	50108
1982-83 - Mar.	2038	5654	1954	4390	515	1385	46459
1982-83 - June	2095	5678	1919	4409	544	1441	46328
1983-84 - Sept.	2182	6121	1984	4431	600	1520	48245
1983-84 - Dec.	2214	6295	2127	4456	591	1524	53120
1983-84 - Mar.	2201	5931	2049	4481	604	1567	48363
1983-84 - June	2303	6135	1988	4505	641	1541	49714
1984-85 - Sept.	2325	6360	2030	4528	769	1516	51660
1984-85 - Dec.	2305	6442	2138	4559	703	1491	56166
1984-85 - Mar.	2260	6182	2137	4586	754	1533	50580
1984-85 - June	2319	6428	2078	4613	701	1509	53012
1985-86 - Sept.	2290	6638	2096	4642	845	1423	54651
1985-86 - Dec.	2311	6747	2274	4673	778	1389	59093
1985-86 - Mar.	2287	6505	2210	4701	728	1380	52643
1985-86 - June	2373	6684	2143	4725	694	1379	54653
1986-87 - Sept.	2382	6833	2146	4751	722	1369	55233
1986-87 - Dec.	2362	6856	2259	4776	701	1392	58922
1986-87 - Mar.	2355	6628	2214	4800	655	1461	53739
1986-87 - June	2412	7022	2159	4824	689	1526	56058
1987-88 - Sept.	2414	7106	2237	4846	725	1640	57461
1987-88 - Dec.	2424	7139	2285	4870	760	1772	62399
1987-88 - Mar.	2413	6895	2271	4895	730	1679	56748
1987-88 - June	2460	7293	2287	4918	725	1841	58499
1988-89 - Sept.	2424	7358	2360	4945	855	1958	60394
1988-89 - Dec.	2436	7460	2418	4975	994	2007	65968
1988-89 - Mar.	2385	7306	2408	5005	973	2043	59152
1988-89 - June	2413	7624	2327	5034	1034	1972	62630
1989-90 - Sept.	2373	7550	2459	5067	1066	2065	63787
1989-90 - Dec.	2431	7646	2524	5100	1024	2090	68544

HISTORICAL TABLES

TABLE 14 - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED (\$ million)

	<i>Agriculture, forestry, fishing and hunting</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity, gas and water</i>	<i>Construction</i>	<i>Wholesale and retail trade</i>	<i>Transport, storage and communication</i>	<i>Finance, property and business services</i>
1974-75 - Sept.	1486	2514	9011	1171	3021	7075	2569	3783
Dec.	1882	2706	8676	1171	3056	7138	2454	3738
Mar.	1820	2740	7847	1172	3073	7116	2373	3679
June	1851	2700	7864	1205	2961	7131	2443	3648
1975-76 - Sept.	1846	2419	8230	1177	3232	7082	2438	3672
Dec.	1660	2592	8478	1214	3190	7045	2424	3669
Mar.	1993	2668	8068	1244	3135	7023	2367	3651
June	2049	2708	8264	1272	3219	7137	2459	3674
1976-77 - Sept.	1962	2805	8373	1296	3331	7322	2495	3734
Dec.	1886	2635	8495	1320	3362	7462	2588	3760
Mar.	1989	2802	8455	1314	3358	7215	2658	3687
June	2009	2819	8549	1332	3373	7187	2645	3680
1977-78 - Sept.	1934	2914	8340	1328	3286	7201	2783	3782
Dec.	1935	2785	8375	1346	3194	7189	2854	3782
Mar.	1888	2790	8386	1316	3281	6991	2890	3699
June	1830	2855	8612	1350	3270	7180	2998	3744
1978-79 - Sept.	2319	2877	8617	1357	3233	7281	2997	3809
Dec.	2453	2893	8720	1369	3341	7346	2998	3837
Mar.	2360	2914	8867	1415	3368	7285	2908	3932
June	2170	2912	8919	1431	3420	7408	2967	4042
1979-80 - Sept.	2029	2931	9163	1464	3399	7506	2957	4039
Dec.	2052	2942	9106	1488	3398	7660	3282	4116
Mar.	1929	2668	9290	1508	3406	7693	3030	4155
June	2032	2650	9081	1508	3462	7614	3090	4235
1980-81 - Sept.	1818	2787	9147	1528	3690	7755	3295	4160
Dec.	1762	2833	9408	1567	3700	7788	3326	4398
Mar.	1705	2914	9430	1565	3656	7722	3285	4532
June	1752	2778	9392	1588	3616	7856	3351	4586
1981-82 - Sept.	1986	2594	9530	1620	3869	7985	3349	4576
Dec.	2070	2716	9634	1621	3844	8086	3399	4550
Mar.	2129	2675	9537	1668	3885	8154	3430	4725
June	2086	2974	9579	1707	3680	8195	3504	4662
1982-83 - Sept.	1689	2852	9370	1715	3673	7987	3388	4709
Dec.	1601	2843	8607	1716	3456	7957	3352	4607
Mar.	1544	2836	8413	1694	3269	7609	3410	4532
June	1477	2948	8705	1719	3216	7590	3396	4674
1983-84 - Sept.	2379	2997	8682	1739	3217	7880	3408	4641
Dec.	2317	3016	8863	1774	3389	8041	3507	4750
Mar.	2264	3221	8964	1795	3349	8206	3698	4729
June	2335	3348	9056	1823	3545	8238	3700	4794
1984-85 - Sept.	2231	3412	9281	1865	3521	8377	3820	4949
Dec.	2295	3456	9190	1896	3696	8432	3866	5080
Mar.	2314	3472	9443	1900	3743	8597	3863	5151
June	2630	3869	9602	1902	3742	8638	3874	5272
1985-86 - Sept.	2259	4292	9590	1939	3683	8679	3997	5312
Dec.	2248	4040	9754	1943	3764	8770	4160	5666
Mar.	2249	4107	9563	1993	3900	8476	4052	5666
June	2272	3929	9507	2013	4129	8497	4186	5673
1986-87 - Sept.	2247	3783	9686	1992	3834	8584	4187	5729
Dec.	2306	3822	9616	2003	3757	8428	4230	5619
Mar.	2326	4005	9776	2036	3855	8347	4311	5988
June	2394	3997	9923	2069	3871	8471	4399	6282
1987-88 - Sept.	2196	3945	10188	2095	3914	8691	4494	6363
Dec.	2216	4502	10293	2148	4107	8909	4565	6380
Mar.	2281	4374	10604	2155	4198	9010	4668	6589
June	2104	4281	10365	2141	4191	9128	4664	6671
1988-89 - Sept.	2214	4485	10518	2166	4433	9237	4821	6681
Dec.	2244	4732	10863	2274	4532	9399	4834	6879
Mar.	2273	4454	10950	2229	4536	9641	4790	7031
June	2327	4600	11306	2257	4819	9953	4916	7051
1989-90 - Sept.	2401	4749	11205	2318	4882	9763	4929	7144
Dec.	2469	5007	11163	2348	4776	9783	4975	7334

HISTORICAL TABLES

TABLE 14 (CONT) - GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - SEASONALLY ADJUSTED (\$ million)

	<i>Public administration and defence</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Ownership of dwellings</i>	<i>Import duties</i>	<i>less Imputed bank service charge</i>	<i>Gross domestic product</i>
1974-75 - Sept.	1746	3941	1749	2976	544	1354	40232
Dec.	1763	4057	1764	3016	490	1334	40577
Mar.	1799	4243	1770	3050	390	1319	39753
June	1862	4329	1794	3088	393	1304	39965
1975-76 - Sept.	1891	4361	1793	3115	400	1275	40381
Dec.	1893	4300	1778	3148	415	1261	40945
Mar.	1887	4636	1811	3180	444	1250	40757
June	1881	4636	1781	3215	469	1252	41512
1976-77 - Sept.	1891	4660	1799	3257	469	1269	42105
Dec.	1884	4723	1804	3304	491	1274	42420
Mar.	1893	4724	1804	3351	513	1267	42496
June	1907	4752	1805	3397	496	1257	42694
1977-78 - Sept.	1918	4881	1798	3446	453	1246	42818
Dec.	1917	4880	1817	3493	430	1239	42768
Mar.	1927	4939	1813	3539	456	1221	42694
June	1938	5088	1833	3584	484	1215	43551
1978-79 - Sept.	1959	5099	1849	3628	516	1226	44315
Dec.	1976	4988	1837	3679	543	1237	44743
Mar.	1940	5123	1835	3725	501	1235	44938
June	1992	5220	1816	3773	550	1244	45376
1979-80 - Sept.	1953	5245	1810	3820	452	1244	45524
Dec.	1940	5248	1850	3871	530	1230	46253
Mar.	1906	5221	1890	3973	535	1288	45866
June	1983	5218	1890	3973	505	1296	45947
1980-81 - Sept.	1977	5319	1904	4026	540	1329	46617
Dec.	2039	5392	1906	4082	594	1399	47396
Mar.	2027	5389	1899	4138	604	1436	47430
June	2064	5324	1943	4192	608	1457	47593
1981-82 - Sept.	2113	5405	1972	4251	637	1437	48450
Dec.	2074	5543	1966	4265	636	1337	48067
Mar.	2044	5579	1980	4291	678	1415	49361
June	2040	5630	1983	4315	687	1420	49622
1982-83 - Sept.	2012	5767	1974	4342	621	1381	48718
Dec.	2064	5811	1978	4367	549	1395	47493
Mar.	2038	5781	1948	4390	523	1376	46611
June	2095	5783	1970	4409	570	1431	47121
1983-84 - Sept.	2182	6042	2011	4431	572	1523	48658
Dec.	2214	6104	2053	4456	583	1542	49525
Mar.	2201	6105	2042	4481	617	1557	50245
June	2303	6230	2040	4505	670	1532	51055
1984-85 - Sept.	2325	6266	2060	4528	733	1517	51851
Dec.	2305	6272	2064	4559	691	1508	52294
Mar.	2260	6375	2128	4586	772	1523	53141
June	2319	6498	2133	4613	731	1501	54121
1985-86 - Sept.	2290	6548	2126	4642	807	1423	54741
Dec.	2311	6603	2197	4673	763	1404	55388
Mar.	2297	6702	2199	4701	748	1372	55281
June	2373	6721	2201	4725	723	1373	55576
1986-87 - Sept.	2382	6734	2176	4751	691	1368	55448
Dec.	2362	6715	2184	4776	685	1407	55396
Mar.	2355	6841	2202	4800	614	1452	56064
June	2412	7049	2217	4824	718	1521	57105
1987-88 - Sept.	2414	7021	2267	4846	695	1638	57491
Dec.	2424	7009	2211	4870	741	1690	58685
Mar.	2413	7119	2258	4895	752	1768	59548
June	2460	7284	2317	4918	736	1836	59344
1988-89 - Sept.	2424	7270	2391	4945	821	1955	60451
Dec.	2436	7330	2441	4975	965	2028	61816
Mar.	2385	7532	2394	5005	1003	2030	62179
June	2413	7620	2389	5034	1027	1967	63745
1989-90 - Sept.	2373	7462	2461	5067	1053	1997	63810
Dec.	2431	7541	2473	5100	992	2086	64306

HISTORICAL TABLES

TABLE 15 - MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION (\$ million)

	Food, beverages and tobacco	Textiles	Clothing and footwear	Wood, wood products and furniture	Paper, etc., printing and publishing	Chemicals, petroleum and coal products	Non-metallic mineral products
1976-77	6523	738	1238	1908	2827	2270	1642
1977-78	6765	716	1232	1840	2902	2359	1584
1978-79	6863	765	1301	1904	3053	2482	1627
1979-80	6924	784	1338	1966	3253	2548	1735
1980-81	7003	780	1364	2036	3339	2541	1779
1981-82	7030	797	1360	2068	3425	2628	1820
1982-83	7004	734	1272	1825	3245	2553	1566
1983-84	6981	766	1369	1917	3384	2667	1577
1984-85	7060	845	1417	2011	3684	2715	1702
1985-86	7144	858	1581	2288	3752	2687	1935
1986-87	7353	917	1476	2072	4002	2794	1760
1987-88	7797	927	1507	2325	4332	2999	1855
1988-89	8022	924	1615	2424	4633	3063	2005
1976-77 - Sept.	1596	187	343	508	700	539	449
Dec.	1728	203	341	514	747	586	440
Mar.	1570	163	274	430	669	549	368
June	1629	185	280	456	711	596	385
1977-78 - Sept.	1672	187	330	466	761	574	364
Dec.	1810	189	298	494	760	603	433
Mar.	1647	158	277	392	670	569	367
June	1636	182	327	488	711	613	390
1978-79 - Sept.	1696	207	330	509	758	641	404
Dec.	1870	191	329	517	786	631	415
Mar.	1670	178	298	415	722	583	397
June	1627	189	344	463	787	627	411
1979-80 - Sept.	1723	195	345	519	853	614	455
Dec.	1815	209	355	488	839	693	431
Mar.	1684	177	311	452	767	611	387
June	1702	203	327	507	796	630	462
1980-81 - Sept.	1764	196	376	547	838	631	452
Dec.	1946	209	351	530	859	659	500
Mar.	1700	160	305	442	790	619	427
June	1593	215	332	517	852	652	432
1981-82 - Sept.	1706	210	389	560	891	661	451
Dec.	1901	206	344	549	885	685	500
Mar.	1690	180	293	455	786	603	419
June	1733	201	334	504	863	679	450
1982-83 - Sept.	1801	206	360	489	839	658	419
Dec.	1880	195	301	463	844	651	422
Mar.	1660	160	267	380	749	588	322
June	1663	173	344	493	813	656	403
1983-84 - Sept.	1689	192	363	472	834	661	425
Dec.	1845	180	339	517	877	687	403
Mar.	1693	169	315	440	798	602	371
June	1754	225	352	488	875	607	378
1984-85 - Sept.	1771	229	381	534	923	688	402
Dec.	1831	205	355	520	914	664	416
Mar.	1715	179	305	447	867	672	398
June	1743	232	376	510	980	691	486
1985-86 - Sept.	1771	183	443	629	974	678	528
Dec.	1888	223	395	608	1029	681	506
Mar.	1732	177	349	503	938	676	441
June	1753	275	394	548	891	652	458
1986-87 - Sept.	1803	267	382	528	951	682	451
Dec.	1975	218	389	546	1066	723	474
Mar.	1770	184	346	461	938	661	391
June	1805	248	359	537	1047	728	486
1987-88 - Sept.	1907	264	409	599	1085	734	454
Dec.	2106	277	391	618	1151	763	492
Mar.	1939	213	330	492	1058	760	470
June	1845	223	377	616	1038	742	439
1988-89 - Sept.	1923	228	441	624	1151	754	513
Dec.	2166	241	408	661	1252	770	523
Mar.	1980	191	355	518	1040	749	485
June	1953	264	411	621	1190	790	484
1989-90 - Sept.	2035	254	435	621	1250	771	529
Dec.	2230	219	380	653	1230	766	536

HISTORICAL TABLES

TABLE 15 (CONT) - MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES,
BY SUBDIVISION
(\$ million)

	Basic metal products	Fabricated metal products	Transport equipment	Other machinery and equipment	Miscellaneous manufacturing	Total manufacturing
1976-77	2885	2573	3271	3895	1633	31403
1977-78	2878	2544	3064	3759	1622	31265
1978-79	3071	2701	3116	3915	1755	32553
1979-80	3350	2855	3393	4031	1778	33957
1980-81	3509	2978	3209	4285	1831	34654
1981-82	3506	3090	3405	4471	1911	35511
1982-83	3035	2639	3237	3742	1741	32593
1983-84	3364	2567	3182	3545	1785	33064
1984-85	3674	2571	3473	3734	1892	34778
1985-86	3651	2787	3448	3777	1723	35631
1986-87	3731	2795	3241	4030	1990	36161
1987-88	3711	3154	3320	4268	2137	38352
1988-89	4027	3344	3613	4548	2243	40461
1976-77 - Sept.	733	625	826	1044	399	7949
Dec.	746	661	860	1043	435	8304
Mar.	670	598	714	899	365	7269
June	736	689	871	909	434	7881
1977-78 - Sept.	724	642	758	951	461	7920
Dec.	721	657	791	1040	397	8193
Mar.	705	583	700	800	349	7217
June	728	662	815	968	415	7935
1978-79 - Sept.	743	681	795	973	456	8193
Dec.	778	714	779	1057	456	8523
Mar.	756	617	689	892	402	7619
June	794	689	853	993	441	8218
1979-80 - Sept.	847	753	909	1043	478	8734
Dec.	825	760	935	1067	467	8884
Mar.	874	650	722	928	405	7968
June	804	692	827	993	428	8371
1980-81 - Sept.	852	717	808	1091	471	8743
Dec.	915	790	833	1123	500	9163
Mar.	848	710	701	967	403	8072
June	894	761	867	1104	457	8676
1981-82 - Sept.	926	806	873	1172	495	9140
Dec.	880	834	862	1186	528	9360
Mar.	825	709	723	1021	441	8145
June	875	741	947	1092	447	8866
1982-83 - Sept.	848	752	980	1150	492	8994
Dec.	703	660	819	957	528	8577
Mar.	673	564	656	787	385	7191
June	811	663	782	848	413	8062
1983-84 - Sept.	879	626	846	909	442	8338
Dec.	835	651	809	953	476	8572
Mar.	779	607	692	792	431	7779
June	871	683	835	891	436	8395
1984-85 - Sept.	953	667	901	947	515	8911
Dec.	964	692	852	936	528	8877
Mar.	829	581	761	887	446	8087
June	928	631	959	964	403	8903
1985-86 - Sept.	970	748	935	924	411	9194
Dec.	853	721	929	1027	472	8432
Mar.	867	619	736	880	361	8201
June	861	699	848	946	479	8804
1986-87 - Sept.	954	729	951	1070	499	9267
Dec.	948	745	762	969	507	9322
Mar.	890	624	705	887	443	8400
June	939	697	823	1004	541	9172
1987-88 - Sept.	942	789	858	1119	566	9726
Dec.	958	849	847	1023	578	10003
Mar.	866	736	708	1042	500	9114
June	945	780	907	1084	493	9489
1988-89 - Sept.	971	859	892	1127	546	10029
Dec.	1021	826	949	1152	596	10565
Mar.	981	768	752	1086	508	9413
June	1054	891	1020	1183	593	10454
1989-90 - Sept.	1080	892	981	1222	604	10674
Dec.	1044	925	992	1243	642	10860

HISTORICAL TABLES

TABLE 16 - MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES,
BY SUBDIVISION - SEASONALLY ADJUSTED
(\$ million)

	<i>Food, beverages and tobacco</i>	<i>Textiles</i>	<i>Clothing and footwear</i>	<i>Wood, wood products and furniture</i>	<i>Paper, etc., printing and publishing</i>	<i>Chemicals, petroleum and coal products</i>	<i>Non-metallic mineral products</i>
1976-77 - Sept.	1608	180	325	481	675	539	438
Dec.	1606	192	329	483	715	566	421
Mar.	1621	182	304	488	717	577	397
June	1692	184	278	456	722	589	385
1977-78 - Sept.	1684	180	312	441	734	574	384
Dec.	1681	178	288	465	728	582	414
Mar.	1700	177	308	445	718	598	395
June	1701	180	326	488	722	606	389
1978-79 - Sept.	1709	200	309	481	731	639	395
Dec.	1735	181	320	487	754	610	397
Mar.	1725	200	332	472	773	613	428
June	1693	186	344	462	797	621	409
1979-80 - Sept.	1735	188	320	491	824	610	446
Dec.	1683	199	347	460	805	671	412
Mar.	1741	199	347	513	822	663	417
June	1771	199	328	507	803	622	459
1980-81 - Sept.	1775	188	344	516	811	627	443
Dec.	1805	201	346	500	825	619	447
Mar.	1761	181	342	502	847	652	462
June	1654	209	333	517	856	643	429
1981-82 - Sept.	1715	199	353	528	866	657	441
Dec.	1766	200	340	519	849	666	478
Mar.	1754	205	330	516	843	633	454
June	1793	193	335	505	863	669	447
1982-83 - Sept.	1810	194	324	460	820	656	408
Dec.	1750	192	299	438	807	635	405
Mar.	1725	184	302	432	805	613	349
June	1715	164	344	493	812	648	401
1983-84 - Sept.	1698	178	326	444	819	659	413
Dec.	1722	180	337	488	833	672	387
Mar.	1758	197	357	501	860	716	402
June	1805	210	351	487	874	601	376
1984-85 - Sept.	1782	210	344	504	910	688	389
Dec.	1711	208	352	490	863	651	400
Mar.	1778	211	345	511	936	690	431
June	1793	214	376	507	982	688	485
1985-86 - Sept.	1785	168	401	596	962	678	512
Dec.	1763	228	390	570	964	668	487
Mar.	1791	211	395	577	930	690	477
June	1808	251	395	544	895	652	459
1986-87 - Sept.	1819	245	347	501	939	683	438
Dec.	1841	223	382	511	993	709	456
Mar.	1826	221	391	529	1021	672	418
June	1868	225	361	533	1055	730	447
1987-88 - Sept.	1926	242	372	569	1070	735	442
Dec.	1959	231	383	578	1067	766	472
Mar.	1998	257	373	566	1156	775	501
June	1915	203	379	611	1048	743	444
1988-89 - Sept.	1942	209	402	594	1134	756	499
Dec.	2012	245	399	616	1158	751	501
Mar.	2030	231	400	598	1138	763	516
June	2030	240	414	614	1202	791	490
1989-90 - Sept.	2055	233	397	593	1230	774	515
Dec.	2070	223	371	608	1137	747	513

HISTORICAL TABLES

TABLE 16 (CONT) - MANUFACTURING INDUSTRY GROSS PRODUCT AT 1984-85 PRICES,
BY SUBDIVISION - SEASONALLY ADJUSTED
(\$ million)

	Basic metal products	Fabricated metal products	Transport equipment	Other machinery and equipment	Miscellaneous manufacturing	Total manufacturing
1976-77 - Sept.	725	610	798	1013	373	7765
Dec.	726	626	825	971	418	7878
Mar.	697	653	811	984	410	7841
June	737	687	836	927	435	7928
1977-78 - Sept.	715	626	732	921	431	7734
Dec.	701	622	758	969	381	7767
Mar.	734	636	798	876	392	7777
June	729	661	782	986	417	7987
1978-79 - Sept.	731	664	765	940	427	7991
Dec.	759	676	746	986	436	8087
Mar.	769	672	791	980	448	8223
June	796	689	818	1010	446	8271
1979-80 - Sept.	828	733	870	1004	449	8498
Dec.	807	720	897	999	445	8445
Mar.	917	708	835	1034	449	8615
June	805	693	793	1006	436	8422
1980-81 - Sept.	825	696	767	1046	445	8483
Dec.	900	751	801	1056	474	8725
Mar.	895	773	816	1071	443	8745
June	893	761	831	1114	470	8710
1981-82 - Sept.	889	783	820	1118	469	8838
Dec.	868	794	833	1123	498	8934
Mar.	879	773	845	1131	481	8944
June	870	739	908	1098	463	8883
1982-83 - Sept.	810	730	915	1095	468	8690
Dec.	695	629	795	913	424	7982
Mar.	722	616	767	870	417	7802
June	805	660	751	851	429	8073
1983-84 - Sept.	837	668	787	862	421	8052
Dec.	826	619	788	919	448	8219
Mar.	837	665	807	868	466	8434
June	864	681	803	895	451	8398
1984-85 - Sept.	909	646	838	894	493	8607
Dec.	951	656	830	914	497	8523
Mar.	890	639	885	959	482	8757
June	921	631	923	970	415	8905
1985-86 - Sept.	931	723	874	869	395	8894
Dec.	935	681	900	1016	444	9046
Mar.	927	682	857	940	392	8869
June	856	702	813	953	489	8817
1986-87 - Sept.	922	703	897	1007	482	8983
Dec.	925	702	732	968	476	8918
Mar.	948	688	824	1044	484	9066
June	935	702	786	1012	548	9202
1987-88 - Sept.	916	758	816	1054	548	9448
Dec.	932	800	809	1027	542	9546
Mar.	920	812	831	1095	550	9834
June	941	786	862	1092	496	9520
1988-89 - Sept.	948	825	852	1063	530	9754
Dec.	992	779	903	1160	538	10074
Mar.	1040	817	884	1177	560	10155
June	1050	894	969	1192	595	10485
1989-90 - Sept.	1057	857	938	1155	587	10391
Dec.	1014	872	943	1253	601	10352

Recommended retail price: \$9.00



2052220012897

ISSN 1030-9047