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Gross Product, Employment and Hours Worked

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AUSTRALIAN NATIONAL ACCOUNTS
GROSS PRODUCT, EMPLOYMENT AND HOURS
WORKED

DECEMBER QUARTER 1988

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AUSTRALIAN BUREAU OF STATISTICS

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INDEXES OF INDUSTRY-REVALUED GDP AND GDP PER UNIT
OF LABOUR INPUT, AT AVERAGE 1984-85 PRICES
SEASONALLY ADJUSTED



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 Explanatory Notes). *The following comments relate to constant price estimates of industry-revalued GDP and its components.*

MAIN FEATURES

In December quarter 1988, GDP grew strongly in seasonally adjusted terms (up 2.3 per cent) and a little less so in terms of trend (up 1.4 per cent). Over the year from December quarter 1987 to December quarter 1988, the trend estimate of GDP grew by 3.6 per cent.

Two alternative measures are provided of labour productivity for the whole economy (namely, constant price gross domestic product per person employed or per

hour worked). While the trend estimates for each of these have risen slightly in the last 2 quarters, overall the level of labour productivity is little changed from that in 1984-85. On a base of 1984-85 = 100.0, the trend estimate of GDP per person employed was 101.0 in December quarter 1988, with the equivalent estimate on a per hour worked basis being 101.2. While GDP has grown rapidly in recent years, it has been accompanied by strong growth in employment. As a result, GDP per unit of labour input has been relatively flat for about the last 4 years.

The trend estimates of gross product for all industry divisions in the goods-producing sector rose in December quarter 1988. All the divisions recorded movements in excess of 2 per cent, except for Construction which increased by 0.8 per cent.

In the services sector the movements in trend were mixed. There was strong growth in Wholesale and retail trade (up 2.3 per cent) and Transport, storage and communication (up 2.8 per cent), but little change in the other industry divisions.

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

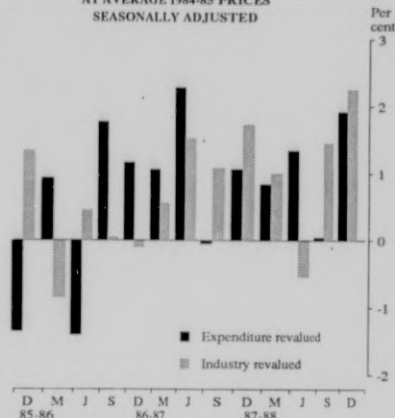
2. Gross domestic product (GDP) at constant prices can be estimated by either of the following methods:

- 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 short-term movements of the expenditure-revalued and industry-revalued estimates can differ substantially, in the longer term they 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. Significant revisions have been made to the gross product estimates for several industry divisions in this issue:

- Estimates for Agriculture, forestry, fishing and hunting have been revised following a review of the methodology used to derive estimates of gross output for the fishing industry.
- Revisions to estimates for Construction have resulted from substantial revisions to an indicator – private gross fixed capital expenditure on non-dwelling construction – used to derive them. An explanation for the revisions to the indicator series is presented in the December quarter 1988 issue of *Australian National Accounts: National Income and Expenditure* (5206.0).
- Revisions to components of private final consumption expenditure as a result of incorporating data from the 1986-87 Selected Service Industry Surveys were also noted in the December quarter 1988 issue of 5206.0. They have led to revisions in the estimates for Recreation, personal and other services.

6. Revisions in the seasonally adjusted estimates have occurred as a result of a seasonal re-analysis, undertaken to maintain consistency with the estimates in 5206.0 which are seasonally reanalysed each year prior to the December quarter publication being released.

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 two industries (*Finance, property and business services* and *Public administration and defence*) and some components of other industries the estimates of gross product have been

derived by extrapolating gross product in the base year by employment estimates.

9. The base year (1984-85) *current price* estimates of gross product for the industry divisions appearing in Tables 1-8 have mainly been derived using the income approach i.e. by summing factor incomes (wages, salaries and supplements and gross operating surplus) and net indirect taxes. While such 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 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 irregularities 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

"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 ...¹

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 employment 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.

Revisions

18. 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, above) as revisions are made to annual estimates and more recent annual estimates become available.

Seasonal adjustment and trend estimation

19. 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.

¹ "Human Capital and Productivity Growth", Economic Planning Advisory Council Paper No. 15, Sydney 1986, page 37.

20. 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.

21. 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

22. 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

23. 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.

24. 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

25. Users may also wish to refer to the following publications:

Australian National Accounts: National Income and Expenditure, Australia, (5206.0) – issued quarterly

Australian National Accounts: Gross Product, Employment and Hours Worked (5211.0) (previously known as *Australian National Accounts: Gross Product by Industry*) – issued annually

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

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

Constant Price Estimates of Manufacturing Production, Australia, 1984-85 (8211.0)

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

Manufacturing Establishments, Detail of Operations by Industry Class, Australia, 1984-85 (8203.0)

Census of Mining Establishments, Details of Operations by Industry Class, Australia, 1985-86 (8402.0)

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

Symbols and other usage

na 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 CSIRONET.

For further information phone the AUSSTATS Help Desk on (062) 52 6017.

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Floppy disk services

Selected ABS statistics are available on floppy disk. Further information is available on (062) 52 6684.

TABLE 1 : INDUSTRY-REVALUED ESTIMATES OF GROSS DOMESTIC PRODUCT AT AVERAGE 1984-85 PRICES,
LABOUR INPUT AND GDP PER UNIT OF LABOUR INPUT (*)
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	
			Original				
1974-75	162076	76.5	89.9	85.1	92.6	82.6	
1975-76	165318	78.0	90.4	86.3	92.1	84.7	
1976-77	171652	81.0	91.0	89.0	92.3	87.8	
1977-78	173747	82.0	91.4	89.7	92.6	88.6	
1978-79	180704	85.3	92.3	92.4	93.9	90.8	
1979-80	184860	87.2	94.4	92.4	95.8	91.0	
1980-81	191195	90.2	97.0	93.0	98.1	91.1	
1981-82	198731	93.8	98.2	95.5	98.6	95.5	
1982-83	192122	90.7	96.5	94.0	95.3	90.5	
1983-84	200208	94.5	97.4	97.0	97.0	97.4	
1984-85	211923	100.0	100.0	100.0	100.0	100.0	
1985-86	222922	105.2	103.9	101.3	103.6	101.5	
1986-87	224798	106.1	106.3	99.8	106.3	99.8	
1987-88	234316	110.6	109.5	101.0	109.9	100.6	
			Seasonally adjusted				
1974-75 : Sept.	40769	76.9	91.2	84.3	na	na	
Dec.	40894	77.1	90.5	85.2	na	na	
Mar.	40055	75.5	90.0	83.9	na	na	
June	40364	76.1	90.5	84.1	na	na	
1975-76 : Sept.	40841	77.0	90.6	85.0	na	na	
Dec.	41328	77.9	90.5	86.1	na	na	
Mar.	41166	77.6	90.6	85.7	na	na	
June	42006	79.2	90.8	87.2	na	na	
1976-77 : Sept.	42625	80.4	90.8	88.5	na	na	
Dec.	42794	80.7	90.9	88.8	na	na	
Mar.	42976	81.0	91.0	89.0	na	na	
June	43251	81.6	90.8	89.9	na	na	
1977-78 : Sept.	43103	81.4	90.8	89.6	na	na	
Dec.	43221	81.8	90.8	89.8	na	na	
Mar.	43333	81.7	90.8	90.0	na	na	
June	44046	83.1	90.6	91.7	91.7	90.6	
1978-79 : Sept.	44715	84.3	90.7	92.9	92.8	90.8	
Dec.	45221	85.3	91.0	93.7	93.2	91.5	
Mar.	45311	85.4	91.4	94.4	94.6	90.4	
June	45542	85.9	92.6	92.8	95.0	90.4	
1979-80 : Sept.	45772	86.3	93.0	92.8	94.9	90.9	
Dec.	46557	87.8	93.9	93.5	95.6	91.8	
Mar.	46138	87.0	94.7	91.9	96.8	89.9	
June	46401	87.5	95.2	91.9	96.1	91.1	
1980-81 : Sept.	47265	89.1	96.1	92.7	97.6	91.3	
Dec.	47814	90.2	96.3	93.7	98.0	92.0	
Mar.	47956	90.4	96.9	93.3	98.1	92.2	
June	48210	90.9	97.6	93.1	98.5	92.3	
1981-82 : Sept.	49050	92.5	97.9	94.5	98.6	93.8	
Dec.	49401	93.2	97.8	95.3	98.7	94.4	
Mar.	50027	94.3	98.2	96.0	99.0	95.3	
June	50318	94.9	97.8	97.0	98.2	96.6	
1982-83 : Sept.	49274	92.9	97.6	95.2	96.8	96.0	
Dec.	47974	90.5	96.6	93.7	96.0	94.3	
Mar.	47183	89.0	95.6	93.1	94.4	94.3	
June	47515	89.6	95.3	94.0	94.1	95.2	
1983-84 : Sept.	48989	92.4	95.8	96.5	95.3	97.0	
Dec.	49686	93.7	96.6	97.0	96.6	97.0	
Mar.	50453	95.1	97.5	97.5	97.2	97.8	
June	51150	96.5	98.7	97.8	98.7	97.8	
1984-85 : Sept.	51941	97.9	99.2	98.7	99.6	98.3	
Dec.	52425	98.9	99.5	99.4	99.4	99.5	
Mar.	53390	100.7	100.4	100.3	100.1	100.6	
June	54373	102.5	100.8	101.7	100.8	101.7	
1985-86 : Sept.	55341	104.4	102.4	102.0	101.4	103.0	
Dec.	56082	105.8	103.5	102.2	103.1	102.6	
Mar.	55609	104.9	104.8	100.1	105.3	99.3	
June	55861	105.3	106.2	99.2	104.3	101.0	
1986-87 : Sept.	55890	105.4	105.7	99.7	105.4	100.0	
Dec.	55837	105.3	106.1	99.2	105.9	99.4	
Mar.	56149	105.9	106.7	99.3	106.4	99.5	
June	57006	107.5	107.4	100.1	107.6	99.9	
1987-88 : Sept.	57624	108.7	108.2	100.5	108.2	100.5	
Dec.	58624	110.5	108.6	101.7	109.1	101.1	
Mar.	59213	111.7	110.5	101.8	111.7	100.0	
June	58893	111.1	111.3	99.8	110.9	100.2	
1988-89 : Sept.	59752	112.7	112.1	100.5	111.6	101.0	
Dec.	61102	115.2	113.2	101.8	113.8	101.0	

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 11 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
1974-75	162488	76.7	89.9	Original	85.3	92.6
1975-76	166010	78.4	90.4			
1976-77	170417	80.5	91.0			
1977-78	171956	81.2	91.4			
1978-79	180314	85.2	92.3			
1979-80	183925	86.9	94.4			
1980-81	189532	89.5	97.0			
1981-82	191672	91.5	98.2			
1982-83	191528	90.5	96.5			
1983-84	201221	95.0	97.4			
1984-85	211747	100.0	100.0			
1985-86	221602	104.7	103.9			
1986-87	228037	107.7	106.3			
1987-88	237693	112.3	109.5			
Seasonally adjusted						
1974-75 : Sept.	40055	75.5	91.2			na
Dec.	40666	76.7	90.5			na
Mar.	40460	76.3	90.0			na
June	41469	78.2	90.5			na
1975-76 : Sept.	40844	77.0	90.6			na
Dec.	40780	76.9	90.5			na
Mar.	41762	78.8	90.6			na
June	42341	79.8	90.8			na
1976-77 : Sept.	42422	80.0	90.8			na
Dec.	42573	80.3	90.9			na
Mar.	42529	80.2	91.0			na
June	42953	81.1	90.8			na
1977-78 : Sept.	42758	80.6	90.8			na
Dec.	42407	80.0	90.8			na
Mar.	43077	81.2	90.8			na
June	43657	82.3	90.6			na
1978-79 : Sept.	44702	84.3	90.7			na
Dec.	44980	84.8	91.0			na
Mar.	45715	86.2	91.4			na
June	45210	85.3	92.6			na
1979-80 : Sept.	45308	85.4	93.0			na
Dec.	46263	87.2	93.9			na
Mar.	45994	86.7	94.7			na
June	46456	87.6	95.2			na
1980-81 : Sept.	46368	87.4	96.1			na
Dec.	47528	89.6	96.3			na
Mar.	47560	89.7	96.9			na
June	48238	91.0	97.6			na
1981-82 : Sept.	48508	91.5	97.9			na
Dec.	48360	91.2	97.8			na
Mar.	48296	91.1	98.2			na
June	48381	91.2	97.8			na
1982-83 : Sept.	48217	90.9	97.6			na
Dec.	47875	90.3	96.6			na
Mar.	47814	90.2	95.6			na
June	47501	89.6	95.3			na
1983-84 : Sept.	48890	92.2	95.8			na
Dec.	49506	93.4	96.6			na
Mar.	51137	96.4	97.5			na
June	51739	97.6	98.7			na
1984-85 : Sept.	51966	98.0	99.2			na
Dec.	52653	99.3	99.5			na
Mar.	52988	99.9	100.4			na
June	54498	102.8	100.8			na
1985-86 : Sept.	55973	105.6	102.4			na
Dec.	55218	104.5	103.1			na
Mar.	55734	105.1	104.8			na
June	54955	103.6	106.2			na
1986-87 : Sept.	55930	105.5	105.7			na
Dec.	56582	106.7	106.6			na
Mar.	57186	107.8	107.0			na
June	58491	110.3	107.4			na
1987-88 : Sept.	58465	110.3	108.2			na
Dec.	59093	111.4	108.6			na
Mar.	59591	112.4	110.5			na
June	60395	113.9	111.3			na
1988-89 : Sept.	60424	114.0	112.1			na
Dec.	61589	116.1	113.2			na

(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 9 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
1974-75 :	Sept.	40862	77.1	91.2	84.5	na	na
	Dec.	40660	76.7	90.5	84.8	na	na
	Mar.	40282	76.0	90.2	84.3	na	na
	June	40303	76.0	90.4	84.1	na	na
1975-76 :	Sept.	40878	77.1	90.6	85.1	na	na
	Dec.	41158	77.6	90.5	85.7	na	na
	Mar.	41376	78.0	90.6	86.1	na	na
	June	41932	79.1	90.8	87.1	na	na
1976-77 :	Sept.	42575	80.3	90.8	88.4	na	na
	Dec.	42823	80.8	90.9	88.9	na	na
	Mar.	43013	81.1	90.9	89.2	na	na
	June	43186	81.4	90.9	89.5	na	na
1977-78 :	Sept.	43720	81.5	90.8	89.8	na	na
	Dec.	43180	81.4	90.8	89.6	na	na
	Mar.	43418	81.9	90.7	90.3	na	na
	June	44007	83.0	90.6	91.6	92.0	90.2
1978-79 :	Sept.	44722	84.3	90.7	92.9	92.5	91.1
	Dec.	45162	85.2	90.9	93.7	93.5	91.1
	Mar.	45361	85.5	91.6	93.3	94.4	90.6
	June	45491	85.8	92.4	92.9	94.9	90.4
1979-80 :	Sept.	45940	86.6	93.1	93.0	95.0	91.2
	Dec.	46289	87.3	93.9	93.0	95.8	91.1
	Mar.	46281	87.3	94.6	92.3	96.3	90.7
	June	46463	87.6	95.3	91.9	96.6	90.7
1980-81 :	Sept.	47205	89.0	95.9	92.8	97.3	91.5
	Dec.	47771	90.1	96.4	93.5	98.0	91.9
	Mar.	47962	90.4	96.9	93.3	98.2	92.1
	June	48320	91.1	97.6	93.3	98.4	92.6
1981-82 :	Sept.	48921	92.3	97.8	94.4	98.6	93.6
	Dec.	49495	93.3	98.0	95.2	98.8	94.4
	Mar.	50057	94.4	98.0	96.3	98.9	95.4
	June	50165	94.6	97.9	96.6	98.1	96.4
1982-83 :	Sept.	49297	93.0	97.5	95.4	97.0	95.9
	Dec.	47985	90.5	96.6	93.7	95.7	94.6
	Mar.	47227	89.1	95.6	93.2	94.5	94.3
	June	47657	89.9	95.3	94.3	94.2	95.4
1983-84 :	Sept.	48786	92.0	95.8	96.0	95.3	96.5
	Dec.	49758	93.8	96.6	97.1	96.4	97.3
	Mar.	50431	95.1	97.6	97.4	97.4	97.6
	June	51192	96.5	98.6	97.9	98.6	97.9
1984-85 :	Sept.	51851	97.8	99.2	98.6	99.4	98.4
	Dec.	52517	99.0	99.6	99.4	99.6	99.4
	Mar.	53357	100.6	100.2	100.4	100.0	100.6
	June	54384	102.6	101.0	101.6	100.7	101.9
1985-86 :	Sept.	55397	104.5	102.2	102.3	101.5	103.0
	Dec.	55869	105.4	103.6	101.7	103.4	101.9
	Mar.	55823	105.3	104.9	100.4	104.8	100.5
	June	55781	105.2	105.8	99.4	105.0	100.2
1986-87 :	Sept.	55868	105.4	106.0	99.4	105.1	100.3
	Dec.	55857	105.3	106.1	99.2	105.9	99.4
	Mar.	56221	106.0	106.7	99.3	106.5	99.5
	June	56903	107.3	107.4	99.9	107.4	99.9
1987-88 :	Sept.	57728	108.9	108.0	100.8	108.2	100.6
	Dec.	58603	110.5	108.9	101.5	109.6	100.8
	Mar.	59021	111.3	110.2	101.0	111.0	100.3
	June	59096	111.4	111.4	100.0	111.3	100.1
1988-89 :	Sept.	59883	112.9	112.1	100.7	112.0	100.8
	Dec.	60726	114.5	113.4	101.0	113.1	101.2

(a) Note that the estimates for some industries assume no change in gross product per unit of labour input (see paragraph 11 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	Gross domestic product	Employment all industries	GDP per person employed	Hours worked all industries	GDP per hour worked
1974-75	Sept.	40272	75.9	91.2	83.2	na	na
	Dec.	40390	76.1	90.5	84.1	na	na
	Mar.	40818	76.9	90.2	85.3	na	na
	June	41099	77.4	90.4	85.6	na	na
1975-76	Sept.	40970	77.2	90.6	85.2	na	na
	Dec.	40922	77.1	90.5	85.2	na	na
	Mar.	41663	78.5	90.6	86.6	na	na
	June	42292	79.7	90.8	87.8	na	na
1976-77	Sept.	42483	80.0	90.8	88.1	na	na
	Dec.	42502	80.1	90.9	88.1	na	na
	Mar.	42669	80.4	90.9	88.4	na	na
	June	42862	80.7	90.9	88.8	na	na
1977-78	Sept.	42717	80.5	90.8	88.7	na	na
	Dec.	42572	80.2	90.8	88.3	na	na
	Mar.	42955	80.9	90.7	89.2	na	na
	June	43788	82.5	90.6	91.1	92.0	89.7
1978-79	Sept.	44522	83.9	90.7	92.5	92.5	90.7
	Dec.	45195	85.1	90.9	93.6	93.5	91.0
	Mar.	45455	85.6	91.6	93.4	94.4	90.7
	June	45327	85.4	92.4	92.4	94.9	90.0
1979-80	Sept.	45479	85.7	93.1	92.1	95.0	90.2
	Dec.	45967	86.6	93.9	92.2	95.8	90.4
	Mar.	46232	87.1	94.6	92.1	96.3	90.4
	June	46230	87.1	95.3	91.4	96.6	90.2
1980-81	Sept.	46675	87.9	95.9	91.7	97.3	90.3
	Dec.	47223	89.0	96.4	92.3	98.0	90.8
	Mar.	47768	90.0	96.9	92.9	98.2	91.6
	June	48161	90.7	97.6	92.9	98.4	92.2
1981-82	Sept.	48470	91.3	97.8	93.4	98.6	92.6
	Dec.	48392	91.2	98.0	93.1	98.8	92.3
	Mar.	48330	91.0	98.0	92.9	98.9	92.0
	June	48347	91.1	97.9	93.1	98.1	92.9
1982-83	Sept.	48189	90.8	97.5	93.1	97.0	93.6
	Dec.	47948	90.3	96.6	93.5	95.7	94.4
	Mar.	47631	89.7	95.6	93.8	94.5	94.9
	June	47826	90.1	95.3	94.5	94.2	95.6
1983-84	Sept.	48577	91.5	95.8	95.5	95.3	96.0
	Dec.	49787	93.8	96.6	97.1	96.4	97.3
	Mar.	50939	96.0	97.6	98.4	97.4	98.6
	June	51726	97.4	98.6	98.8	98.6	98.8
1984-85	Sept.	52087	98.1	99.2	98.9	99.4	98.7
	Dec.	52481	98.9	99.6	99.3	99.6	99.3
	Mar.	53189	100.2	100.2	100.0	100.0	100.2
	June	54570	102.8	101.0	101.8	100.7	102.1
1985-86	Sept.	55555	104.7	102.2	102.4	101.5	103.2
	Dec.	55664	104.9	103.6	101.3	103.4	101.5
	Mar.	55322	104.2	104.9	99.3	104.8	99.4
	June	55331	104.2	105.8	98.5	105.0	99.2
1986-87	Sept.	55757	105.0	106.0	99.1	105.1	99.9
	Dec.	56547	106.5	106.1	100.4	105.9	100.6
	Mar.	57390	108.1	106.7	101.3	106.5	101.5
	June	58196	109.6	107.4	102.0	107.4	102.0
1987-88	Sept.	58668	110.5	108.0	102.3	108.2	102.1
	Dec.	59003	111.2	108.9	102.1	109.6	101.5
	Mar.	59702	112.5	110.2	102.1	111.0	101.4
	June	60175	113.4	111.4	101.8	111.3	101.9
1988-89	Sept.	60776	114.5	112.1	102.1	112.0	102.2
	Dec.	61206	115.3	113.4	101.7	113.1	101.9

(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)

		Quarters ended													
Industry	ASIC Divn.	1985-86				1986-87				1987-88				1988-89	
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Agriculture, forestry, fishing and hunting	A	2365	2345	2357	2366	2433	2456	2469	2498	2396	2410	2519	2306	2375	2429
Mining	B	4064	3827	3907	3767	3665	3696	3804	3670	3458	3811	3618	3506	3668	3743
Manufacturing	C	9622	9913	9649	9597	9600	9816	9636	9776	9974	10180	10464	10151	10332	10711
Electricity, gas and water	D	1926	1941	2018	2023	2001	2010	2040	2066	2086	2130	2131	2114	2143	2241
Construction	E	3902	3964	3778	3981	3945	3795	3842	3859	3921	4087	4147	4247	4351	4380
Wholesale and retail trade	F	8883	9027	8737	8755	8779	8648	8579	8801	9131	9280	9325	9306	9519	9889
Transport, storage and communication	G,H	4067	4213	4095	4220	4214	4254	4322	4368	4598	4496	4611	4607	4759	4969
Finance, property and business services	I	5543	5758	5862	5937	6050	6163	6133	6404	6524	6579	6710	6799	6765	6840
Public administration and defence	J	2254	2254	2264	2305	2288	2292	2309	2332	2345	2328	2351	2352	2329	2340
Community services	K	6528	6590	6649	6624	6679	6715	6770	6925	6891	6937	6939	7080	7052	7048
Recreation, personal and other services	L	2174	2242	2252	2261	2229	2239	2264	2282	2323	2336	2342	2385	2432	2396
Ownership of dwellings		4639	4670	4698	4722	4749	4773	4797	4821	4843	4869	4891	4916	4943	4971
Import duties		807	763	748	723	689	683	672	714	691	723	757	765	785	826
Less: Imputed bank service charge		1433	1425	1405	1420	1431	1467	1488	1510	1557	1556	1592	1635	1742	1808
Gross Domestic Product		55341	56082	55609	55861	55890	55837	56149	57006	57624	58624	59213	58893	59752	61100

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

Industry	ASIC Divn.	Change from preceding quarter												Dec. Qtr	
		1985-86			1986-87			1987-88			1988-89			1987	
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	to
															Qtr
															1988
Agriculture, forestry, fishing and hunting	A	-0.8	0.5	0.4	2.8	0.9	0.5	1.2	-4.1	0.6	4.5	-8.5	3.0	2.3	0.8
Mining	B	-5.8	2.1	-3.6	-2.7	0.8	2.9	-3.5	-5.8	10.2	-5.1	-3.1	4.6	2.0	-1.8
Manufacturing	C	3.0	-2.7	-0.5	-1.1	-0.2	0.6	1.5	2.0	2.1	2.8	-3.0	1.8	3.7	5.2
Electricity, gas and water	D	0.8	4.0	0.2	-1.1	0.4	1.5	1.3	1.0	2.1	-	-0.8	1.4	4.6	5.2
Construction	E	1.6	-4.7	5.4	-0.9	-3.8	1.2	0.4	1.6	4.2	1.5	2.4	2.4	0.7	7.2
Wholesale and retail trade	F	1.6	-3.2	0.2	0.3	-1.5	-0.8	2.6	3.7	1.6	0.5	-0.2	2.3	3.9	6.6
Transport, storage and communication	G,H	3.6	-2.8	3.1	-0.1	0.9	1.6	1.1	5.3	-2.2	2.6	-0.1	3.3	4.4	10.5
Finance, property and business services	I	3.9	1.8	1.3	1.9	1.9	-0.5	4.4	1.9	0.8	2.0	1.3	-0.5	1.1	4.0
Public administration and defence	J	-	0.4	1.8	-0.7	0.2	0.7	1.0	0.6	-0.7	1.0	-	-1.0	0.5	0.0
Community services	K	0.9	0.9	-0.4	0.8	0.5	0.8	2.3	-0.5	0.7	-	2.0	-0.4	-0.1	1.6
Recreation, personal and other services	L	3.1	0.4	0.4	-1.4	0.4	1.1	0.8	1.8	0.6	0.3	1.8	2.0	-1.5	2.6
Ownership of dwellings		0.7	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	2.1
Import duties		-5.5	-2.0	-3.3	-4.7	-0.9	-1.6	6.2	-3.2	6.7	2.7	0.3	8.8	15.4	29.3
Imputed bank service charge		-0.6	-1.4	1.1	0.8	2.5	1.4	1.5	3.1	-0.1	2.3	2.7	6.5	3.8	16.2
Gross Domestic Product		1.3	-0.8	0.5	0.1	-0.1	0.6	1.5	1.1	1.7	1.0	-0.5	1.5	2.3	4.1

TABLE 7 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY - TREND ESTIMATES (\$ million)

Industry	ASIC Divn.	Quarters ended													
		1985-86				1986-87				1987-88				1988-89	
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.
Agriculture, forestry, fishing and hunting	A	2410	2336	2350	2378	2423	2457	2482	2469	2416	2439	2444	2372	2358	2416
Mining	B	3948	3936	3849	3779	3676	3715	3769	3635	3587	3683	3650	3547	3643	3730
Manufacturing	C	9709	9798	9717	9591	9588	9588	9639	9778	9965	10235	10334	10253	10367	10599
Electricity, gas and water	D	1913	1958	2005	2022	2006	2011	2038	2064	2093	2123	2128	2117	2161	2211
Construction	E	3903	3904	3871	3926	3931	3835	3820	3860	3941	4061	4160	4250	4343	4378
Wholesale and retail trade	F	8917	8938	8814	8745	8751	8647	8609	8809	9104	9283	9306	9333	9566	9782
Transport, storage and communication	G,H	4078	4156	4160	4180	4228	4255	4303	4421	4520	4561	4566	4634	4779	4911
Finance, property and business services	I	5580	5732	5863	5945	6058	6120	6199	6364	6520	6598	6707	6776	6798	6813
Public administration and defence	J	2254	2254	2272	2293	2294	2292	2310	2332	2338	2338	2347	2348	2337	2335
Community services	K	6523	6598	6631	6643	6669	6712	6797	6884	6920	6914	6975	7043	7067	7047
Recreation, personal and other services	L	2192	2228	2259	2252	2237	2239	2260	2288	2318	2334	2348	2389	2416	2411
Ownership of dwellings		4639	4670	4698	4722	4749	4773	4797	4821	4843	4869	4891	4916	4943	4971
Import duties		779	777	745	720	694	676	685	695	708	729	751	765	844	916
Less: Imputed bank service charge		1448	1416	1411	1415	1436	1463	1487	1517	1545	1564	1586	1647	1739	1794
Gross Domestic Product		55397	55869	55823	55781	55868	55857	56221	56903	57728	58603	59021	59096	59883	60726

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

Industry	ASIC Divn.	Change from preceding quarter												Dec. Qtr to Dec. Qtr 1987 to 1988	
		1985-86				1986-87				1987-88				1988-89	
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Dec. Qtr 1988
Agriculture, forestry, fishing and hunting	A	-3.1	0.6	1.2	1.9	1.4	1.0	-0.5	-2.1	1.0	0.2	-2.9	-0.6	2.5	-0.9
Mining	B	-0.3	-2.2	-1.8	-2.7	1.1	1.5	-3.6	-1.3	2.7	-0.9	-2.8	2.7	2.4	1.3
Manufacturing	C	0.9	-0.8	-1.3	-	-	0.5	1.4	1.9	2.7	1.0	-0.8	1.1	2.2	3.6
Electricity, gas and water	D	2.4	2.4	0.8	-0.8	0.2	1.3	1.3	1.4	1.4	0.2	-0.5	2.1	2.3	4.1
Construction	E	-	-0.8	1.4	0.1	-2.4	-0.4	1.0	2.1	3.0	2.4	2.2	2.2	0.8	7.8
Wholesale and retail trade	F	0.2	-1.6	-0.8	0.1	-1.2	-0.4	2.3	2.0	0.2	0.3	2.0	2.3	2.5	5.4
Transport, storage and communication	G,H	1.9	0.1	0.5	1.1	0.6	1.1	2.7	2.2	0.9	0.1	1.5	3.1	2.8	7.7
Finance, property and business services	I	2.7	2.3	1.4	1.9	1.0	1.3	2.7	2.5	1.2	1.7	1.0	0.3	0.2	3.3
Public administration and defence	J	-	0.8	0.9	-	-0.1	0.8	1.0	0.3	-	0.4	-	-0.5	-0.1	-0.1
Community services	K	1.1	0.5	0.2	0.4	0.6	1.3	1.3	0.5	-0.1	0.9	1.0	0.3	-0.3	1.9
Recreation, personal and other services	L	1.6	1.4	-0.3	-0.7	0.1	0.9	1.2	1.3	0.7	0.6	1.7	1.1	-0.2	3.3
Ownership of dwellings		0.7	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	2.1
Import duties		-0.3	-4.1	-3.4	-3.6	-2.6	1.3	1.5	1.9	3.0	3.0	1.9	10.3	8.5	25.7
Imputed bank service charge		-2.2	-0.4	0.3	1.5	1.9	1.6	2.0	1.8	1.2	1.4	3.8	5.6	3.2	14.7
Gross Domestic Product		0.9	-0.1	-0.1	0.2	-	0.7	1.2	1.4	1.5	0.7	0.1	1.3	1.4	3.6

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

Industry	ASIC Sub-Divn.	Quarters ended											
		1985-86				1986-87				1987-88			
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
Food, beverages and tobacco	21	1776	1767	1789	1794	1803	1841	1805	1832	1889	1944	1978	1868
Textiles	23	185	261	232	270	244	219	204	214	252	264	291	265
Clothing and footwear	24	367	347	351	356	333	377	383	335	336	336	323	335
Wood, wood products and furniture	25	554	523	524	509	479	502	512	512	520	522	491	513
Paper, etc, printing and publishing	26	995	1008	967	922	944	992	1000	1030	1050	1048	1121	1031
Chemicals, petroleum & coal products	27	720	735	754	750	799	843	824	891	903	897	924	925
Non-metallic minerals' products	28	500	474	473	452	442	466	442	460	458	485	529	445
Basic metal products	29	962	979	991	899	934	934	971	979	961	1008	1011	1014
Fabricated metal products	31	713	668	659	675	668	666	663	683	740	788	820	800
Transport equipment	32	878	919	843	797	813	670	724	709	715	744	743	750
Other machinery and equipment	33	887	1056	974	983	987	944	985	930	935	907	961	974
Miscellaneous manufacturing	34	443	515	449	550	514	489	480	549	550	558	574	557
Total (production approach)		8980	9252	9006	8957	8960	8943	8993	9124	9309	9501	9766	9474
Difference (a)		642	661	643	640	640	639	643	652	665	679	698	677
Total (income approach)		9622	9913	9649	9597	9600	9582	9636	9776	9974	10180	10464	10151

(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

Industry	ASIC Sub-Divn.	Change from preceding quarter											
		1985-86				1986-87				1987-88			
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
Food, beverages and tobacco	21	-0.5	1.2	0.3	0.5	2.1	-2.0	1.5	3.1	2.9	1.7	-5.6	3.0
Textiles	23	41.1	-11.1	16.4	-9.6	-10.2	-6.8	4.9	17.8	4.8	10.2	-8.9	-3.0
Clothing and footwear	24	-5.4	1.2	1.4	-6.5	13.2	1.6	-12.5	0.3	-	-3.9	2.8	6.3
Wood, wood products and furniture	25	-5.6	0.2	-2.9	-5.9	4.8	2.0	-	1.6	0.4	-5.9	4.5	-2.7
Paper, etc, printing and publishing	26	1.3	-4.1	-4.7	2.4	5.1	0.8	3.0	1.9	-0.2	7.0	-8.0	6.6
Chemicals, petroleum & coal products	27	2.1	2.6	-0.5	6.5	5.5	-2.3	8.1	1.3	-0.7	3.0	0.1	0.9
Non-metallic mineral products	28	-5.2	-0.2	-4.4	-2.2	5.4	-5.2	4.1	-0.4	5.9	9.1	-15.9	16.2
Basic metal products	29	1.8	1.2	-9.3	3.9	-	4.0	0.8	-1.8	4.9	0.3	0.3	-1.2
Fabricated metal products	31	-6.3	-1.3	2.4	-1.0	-0.3	-0.5	3.0	8.3	6.5	4.1	-2.4	3.9
Transport equipment	32	4.7	-8.3	-5.5	2.0	-17.6	8.1	-2.1	0.8	4.1	-0.1	0.9	-0.8
Other machinery and equipment	33	19.1	-7.8	0.9	0.4	-4.4	4.3	-5.6	0.5	-3.0	6.0	1.4	-6.0
Miscellaneous manufacturing	34	16.3	-12.8	22.5	-6.5	-4.9	-1.8	14.4	0.2	1.5	2.9	-3.0	2.0
Total manufacturing		3.0	-2.7	-0.5	-	-0.2	0.6	1.5	2.0	2.1	2.8	-3.0	1.8

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

(\$ million)

Industry	ASIC Sub- Divn.	Quarters ended											
		1985-86				1986-87				1987-88			
		Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June
Food, beverages and tobacco	21	1774	1773	1784	1794	1812	1823	1817	1832	1888	1952	1946	1900
Textiles	23	213	232	254	256	248	219	205	218	245	272	281	269
Clothing and footwear	24	362	352	351	347	348	370	374	346	333	333	326	333
Wood, wood products and furniture	25	534	535	520	504	489	497	511	514	521	514	504	501
Paper, etc, printing and publishing	26	1004	1000	965	930	946	983	1007	1029	1042	1073	1080	1070
Chemicals, petroleum & coal products	27	717	738	746	760	799	828	845	878	902	905	917	929
Non-metallic mineral products	28	493	483	467	453	450	453	453	452	462	495	497	482
Basic metal products	29	959	987	967	928	917	944	966	973	976	997	1015	1008
Fabricated metal products	31	685	681	662	669	670	664	664	687	737	790	810	816
Transport equipment	32	909	892	851	816	771	716	698	715	719	737	747	743
Other machinery and equipment	33	951	994	1006	979	974	967	960	948	920	924	954	954
Miscellaneous manufacturing	34	461	477	494	517	524	485	495	533	555	561	567	570
Total (production approach)		9062	9144	9067	8953	8948	8949	8995	9125	9300	9553	9644	9568
Difference (a)		647	654	650	638	640	639	644	653	665	682	690	685
Total (income approach)		9709	9798	9717	9591	9588	9588	9639	9778	9965	10235	10334	10253
												10367	10599

(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

Industry	ASIC Sub- Divn.	Change from preceding quarter											
		1985-86				1986-87				1987-88			
		Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.	Dec.	Mar.	June	Sept.
Food, beverages and tobacco	21	-0.1	0.6	0.6	1.0	0.6	-0.3	0.8	3.1	3.4	-0.3	-2.4	1.5
Textiles	23	8.9	9.5	0.8	-3.1	-11.7	-6.4	6.3	12.4	11.0	3.3	-4.3	-2.2
Clothing and footwear	24	-2.8	-0.3	-1.1	0.3	6.3	1.1	-7.5	-3.8	-	-2.1	2.1	5.1
Wood, wood products and furniture	25	0.2	-2.8	-3.1	-3.0	1.6	2.8	0.6	1.4	-1.3	-1.9	-0.6	1.8
Paper, etc, printing and publishing	26	-0.4	-3.5	-3.6	1.7	3.9	2.4	2.2	1.3	3.0	0.7	-0.9	0.9
Chemicals, petroleum & coal products	27	2.9	1.1	1.9	5.1	3.6	2.1	3.9	2.7	0.3	1.3	1.3	-
Non-metallic mineral products	28	-2.0	-3.3	-3.0	-0.7	0.7	-	-0.2	2.2	7.1	0.4	-3.0	3.3
Basic metal products	29	2.9	-2.0	-4.0	-1.2	2.9	2.3	0.7	0.3	2.2	1.8	-0.7	0.6
Fabricated metal products	31	-0.6	-2.8	1.1	0.1	-0.9	-	3.5	7.3	7.2	2.5	0.7	-0.2
Transport equipment	32	-1.9	-4.6	-4.1	-5.3	-7.1	-2.5	2.4	0.6	2.5	1.4	-0.5	2.3
Other machinery and equipment	33	4.5	1.2	-2.7	-0.5	-0.7	-1.3	-3.0	0.4	3.2	-	0.5	2.9
Miscellaneous manufacturing	34	3.5	3.6	4.7	1.4	-7.4	2.1	7.7	4.1	1.1	1.1	-0.7	1.2
Total manufacturing		0.9	-0.8	-1.3	-0.1	-	0.5	1.4	1.9	2.7	1.0	-0.8	1.1
												2.3	3.6

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TABLE 13: GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY (\$ 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	7251	10130	33141	4831	12144	28771	10630	15885
1975-76	7838	9869	32783	5018	12788	28409	10465	15628
1976-77	8059	10557	33595	5378	13481	29515	11251	16064
1977-78	7777	10784	33446	5457	13064	28894	12547	16177
1978-79	9485	11020	34854	5680	13620	29338	12937	16397
1979-80	8352	10649	36366	6099	13707	30760	13386	16970
1980-81	7461	10751	37118	6384	14717	31650	14477	18405
1981-82	8633	10416	38032	6754	15340	33081	14914	19241
1982-83	6747	10910	34888	6833	13681	31688	14594	19411
1983-84	9591	11948	35426	7093	13659	32419	14919	19744
1984-85	9684	13498	37252	7447	14795	34330	15701	21271
1985-86	9400	15567	38784	7907	15665	35411	16597	23100
1986-87	9835	14828	38590	8152	15388	34814	17155	24750
1987-88	9648	14388	40742	8458	16349	37082	18309	26612
1974-75 : Sept.	1187	2431	8960	1240	2940	7178	2865	3997
Dec.	3063	2632	8620	1184	3227	7489	2724	3958
Mar.	2054	2501	7782	1186	2739	6930	2425	3964
June	947	2566	7779	1221	3238	7174	2616	3966
1975-76 : Sept.	1473	2340	8113	1248	3111	7159	2711	3947
Dec.	3458	2518	8368	1227	3360	7405	2893	3935
Mar.	1803	2434	8011	1254	2829	6870	2427	3984
June	1104	2577	8291	1289	3498	7205	2634	3982
1976-77 : Sept.	1466	2730	8617	1311	3260	7369	2782	3986
Dec.	3045	2573	8486	1331	3480	8000	2887	4002
Mar.	2217	2567	7729	1321	3073	6935	2749	4033
June	1132	2687	8383	1349	3668	7211	2834	4043
1977-78 : Sept.	1812	2831	8452	1415	3211	7239	3103	4036
Dec.	3722	2703	8760	1358	3303	7711	3197	4030
Mar.	1609	2542	7745	1314	3019	6756	3055	4051
June	1084	2708	8419	1370	3531	7188	3242	4060
1978-79 : Sept.	1472	2797	8751	1449	3170	7297	3358	4053
Dec.	3722	2805	9111	1370	3465	7826	3362	4065
Mar.	3015	2658	8480	1411	3113	7004	3023	4117
June	1077	2761	8812	1450	3672	7409	3140	4132
1979-80 : Sept.	1563	2859	9385	1563	3335	7568	3285	4141
Dec.	3990	2849	9509	1497	3508	8198	3650	4180
Mar.	1497	2433	8484	1507	3153	7362	3148	4261
June	1032	2508	8978	1532	3711	7632	3303	4388
1980-81 : Sept.	1421	2726	9409	1627	3428	7860	3674	4369
Dec.	3319	2738	9805	1576	3840	8376	3728	4549
Mar.	1497	2461	8659	1561	3406	7491	3449	4702
June	1024	2627	9245	1620	3843	7923	3626	4785
1981-82 : Sept.	1498	2541	9738	1738	3834	8150	3738	4745
Dec.	4318	2623	10029	1634	3869	8731	3793	4672
Mar.	1488	2445	8770	1655	3621	7924	3612	4752
June	1130	2807	9495	1727	4016	8278	3771	4901
1982-83 : Sept.	1716	2795	9621	1799	3585	8158	3741	4980
Dec.	2913	2744	9980	1686	3563	8580	3734	4803
Mar.	1272	2596	7733	1641	3053	7345	3542	4747
June	846	2775	8554	1707	3480	7605	3577	4881
1983-84 : Sept.	1605	2941	8942	1809	3192	7907	3628	4875
Dec.	4621	2907	9171	1736	3497	8546	3774	4926
Mar.	2267	2957	8311	1742	3108	7810	3732	4930
June	1059	3143	8996	1806	3812	8156	3785	5013
1984-85 : Sept.	1594	3355	9507	1920	3443	8384	3937	5145
Dec.	4815	3332	9496	1827	3850	9004	3937	5261
Mar.	1820	3193	8687	1828	3436	8261	3808	5374
June	1455	3618	9562	1872	4064	8681	3901	5491
1985-86 : Sept.	1725	4208	9944	2009	3807	8858	4087	5543
Dec.	4566	3875	10302	1903	4104	9583	4358	5758
Mar.	4321	3785	9552	1981	3472	8315	3965	5862
June	1388	3699	9566	2014	4282	8635	4187	5937
1986-87 : Sept.	1772	3801	9937	2082	3826	8737	4229	6050
Dec.	4415	3740	9966	1969	3929	9220	4414	6148
Mar.	2130	3692	8970	2003	3518	8164	4180	6133
June	1517	3595	9717	2058	4115	8693	4332	6404
1987-88 : Sept.	1887	3591	10311	2174	3845	9101	4609	6524
Dec.	4319	3854	10585	2086	4237	9891	4675	6579
Mar.	1851	3516	9746	2091	3822	8839	4457	6710
June	1571	3427	10090	2105	4445	9191	4568	6799
1988-89 : Sept.	1809	3813	10682	2233	4303	9504	4770	6765
Dec.	4596	3785	11140	2197	4534	10489	5175	6840

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TABLE 13 (continued) : 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	6936	16459	7253	12132	1824	5311	162076
1975-76	7305	18091	7360	12670	1723	5039	165318
1976-77	7321	18792	7419	13320	1967	5067	171652
1977-78	7443	19753	7435	14070	1821	4921	173747
1978-79	7538	20382	7514	14815	2108	4940	180704
1979-80	7513	20874	7628	15594	2020	5058	184660
1980-81	7853	21362	7858	16439	2341	5621	191195
1981-82	7975	22090	8108	17120	2635	5608	198731
1982-83	8045	23041	8093	17508	2266	5363	192122
1983-84	8600	24373	8348	17872	2436	6170	200208
1984-85	8912	25268	8582	18275	2927	6039	211923
1985-86	9077	26392	8930	18729	3045	5682	222922
1986-87	9221	27090	9013	19140	2757	5895	224798
1987-88	9376	27847	9386	19519	2940	6340	234516
1974-75 : Sept.	1689	3945	1769	2979	564	1349	40435
Dec.	1706	4026	1866	3019	498	1321	42691
Mar.	1740	4135	1812	3052	388	1298	39388
June	1801	4313	1806	3082	374	1313	39570
1975-76 : Sept.	1829	4419	1816	3118	413	1271	40396
Dec.	1831	4469	1887	3151	422	1248	43476
Mar.	1825	4553	1859	3183	422	1259	40195
June	1820	4650	1798	3218	446	1261	41251
1976-77 : Sept.	1828	4653	1827	3260	486	1264	42576
Dec.	1828	4646	1916	3307	486	1261	42576
Mar.	1829	4692	1857	3354	511	1276	41590
June	1843	4801	1819	3399	471	1266	42374
1977-78 : Sept.	1855	4858	1823	3447	470	1241	43311
Dec.	1854	4892	1923	3495	437	1226	45709
Mar.	1853	4854	1855	3541	454	1279	41479
June	1871	5049	1834	3587	460	1225	43248
1978-79 : Sept.	1880	5102	1870	3632	536	1220	44347
Dec.	1876	5097	1941	3680	550	1224	47646
Mar.	1885	5166	1844	3727	498	1253	44263
June	1897	5103	1819	3776	524	1253	44359
1979-80 : Sept.	1864	5219	1833	3822	471	1239	45669
Dec.	1848	5302	1955	3873	537	1217	49679
Mar.	1870	5166	1944	3924	531	1287	44263
June	1931	5187	1896	3975	481	1305	45249
1980-81 : Sept.	1936	5369	1936	4026	564	1323	47422
Dec.	1970	5340	2021	4081	600	1383	50560
Mar.	1974	5305	1956	4139	599	1446	45953
June	1973	5348	1945	4153	578	1469	47261
1981-82 : Sept.	2032	5475	2000	4250	668	1432	48975
Dec.	1981	5555	2085	4264	643	1323	52874
Mar.	1991	5470	2040	4291	670	1423	47677
June	1971	5590	1983	4315	654	1430	49206
1982-83 : Sept.	1967	5781	2003	4342	652	1376	49764
Dec.	2015	5880	2104	4368	555	1378	50467
Mar.	2002	5673	2014	4380	715	1386	45157
June	2041	5787	1972	4408	544	1443	46734
1983-84 : Sept.	2113	6070	2034	4431	600	1526	48621
Dec.	2135	6133	2174	4455	591	1531	53141
Mar.	2122	6003	2101	4481	604	1571	46022
June	2197	6167	2039	4505	641	1542	49817
1984-85 : Sept.	2218	6360	2080	4529	769	1512	51729
Dec.	2227	6337	2186	4556	703	1485	56164
Mar.	2219	6194	2186	4582	754	1528	50814
June	2248	6347	2130	4608	701	1514	53214
1985-86 : Sept.	2254	6639	2143	4639	845	1433	55088
Dec.	2254	6668	2321	4670	778	1409	59731
Mar.	2264	6486	2264	4698	728	1414	53079
June	2305	6599	2202	4722	694	1426	54824
1986-87 : Sept.	2288	6788	2198	4749	720	1432	55745
Dec.	2316	6799	2316	4773	699	1451	59244
Mar.	2309	6596	2277	4797	653	1497	53925
June	2332	6907	2222	4821	685	1515	55683
1987-88 : Sept.	2345	6999	2293	4843	721	1559	57684
Dec.	2328	7027	2316	4869	756	1539	62113
Mar.	2351	6757	2356	4891	735	1602	56580
June	2352	7064	2323	4916	728	1640	57939
1988-89 : Sept.	2329	7160	2401	4943	861	1745	59828
Dec.	2340	7142	2475	4971	982	1789	64877

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TABLE 14 : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY, SEASONALLY ADJUSTED (\$ 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 : Sept.	1590	2391	8948	1199	3031	7208	2783	3997
Dec.	1903	2574	8612	1198	3083	7212	2448	3958
Mar.	1863	2606	7785	1200	3084	7170	2550	3964
June	1914	2566	7795	1233	2962	7186	2636	3966
1975-76 : Sept.	1890	2298	8147	1207	3244	7160	2633	3947
Dec.	1908	2463	8397	1243	3199	7120	2620	3935
Mar.	1948	2537	8007	1273	3142	7107	2550	3944
June	2091	2578	8231	1300	3225	7222	2656	3982
1976-77 : Sept.	1992	2678	8411	1327	3343	7408	2705	3986
Dec.	1927	2518	8417	1350	3372	7550	2805	4002
Mar.	2051	2676	8329	1342	3366	7291	2886	4033
June	2081	2690	8438	1360	3388	7257	2863	4043
1977-78 : Sept.	1975	2773	8248	1359	3301	7283	3019	4036
Dec.	1981	2647	8310	1377	3204	7275	3104	4030
Mar.	1935	2651	8336	1345	3298	7089	3152	4051
June	1992	2712	8549	1377	3281	7237	3284	4060
1978-79 : Sept.	2378	2735	8535	1384	3260	7337	3266	4053
Dec.	2517	2750	8650	1394	3363	7393	3264	4045
Mar.	2400	2771	8817	1442	3386	7348	3154	4117
June	2240	2769	8877	1459	3422	7456	3204	4152
1979-80 : Sept.	2085	2788	9133	1495	3423	7575	3203	4141
Dec.	2128	2798	9040	1520	3405	7749	3550	4180
Mar.	2014	2536	9170	1541	3420	7732	3270	4261
June	2105	2519	9039	1541	3480	7707	3345	4388
1980-81 : Sept.	1944	2650	9134	1559	3700	7868	3590	4369
Dec.	1870	2694	9334	1600	3720	7917	3630	4549
Mar.	1796	2772	9364	1601	3687	7854	3580	4702
June	1851	2642	9292	1626	3638	8011	3665	4785
1981-82 : Sept.	2098	2467	9426	1662	3926	8143	3667	4745
Dec.	2169	2583	9569	1662	3739	8249	3698	4672
Mar.	2224	2546	9507	1702	3837	8322	3734	4923
June	2168	2828	9526	1731	3768	8363	3808	4901
1982-83 : Sept.	1758	2711	9300	1724	3678	8156	3688	4980
Dec.	1675	2704	8583	1713	3441	8112	3635	4803
Mar.	1626	2696	8373	1686	3330	7728	3655	4747
June	1585	2803	8573	1708	3225	7689	3607	4891
1983-84 : Sept.	2471	2849	8640	1732	3286	7922	3590	4875
Dec.	2433	2867	8799	1769	3379	8056	3668	4926
Mar.	2225	3063	9000	1788	3388	8200	3847	4930
June	2399	3184	9007	1809	3543	8239	3813	5013
1984-85 : Sept.	2759	3246	9180	1838	3541	8391	3909	5145
Dec.	2411	3288	9123	1863	3719	8485	3928	5261
Mar.	2516	3302	9391	1869	3758	8684	3926	5374
June	2575	3677	9577	1876	3778	8770	3929	5491
1985-86 : Sept.	2365	4064	9622	1926	3902	8883	4067	5543
Dec.	2345	3827	9913	1941	3964	9027	4213	5758
Mar.	2357	3907	9649	2018	3778	8737	4095	5862
June	2366	3767	9597	2023	3981	8755	4220	5937
1986-87 : Sept.	2433	3665	9600	2001	3945	8779	4214	6050
Dec.	2456	3696	9582	2010	3795	8648	4252	6163
Mar.	2469	3804	9636	2040	3842	8979	4322	6133
June	2498	3670	9776	2066	3859	8801	4368	6404
1987-88 : Sept.	2396	3458	9974	2086	3921	9131	4598	6524
Dec.	2410	3811	10180	2130	4087	9280	4496	6579
Mar.	2519	3618	10464	2131	4147	9325	4611	6710
June	2306	3506	10151	2114	4205	9306	4607	6799
1988-89 : Sept.	2375	3668	10332	2143	4351	9519	4759	6765
Dec.	2429	3743	10711	2241	4380	9889	4969	6860

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TABLE 14 (continued) : GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY INDUSTRY, SEASONALLY ADJUSTED (\$ 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 : Sept.	1689	3971	1793	2979	544	1354	40769
Dec.	1706	4041	1804	3019	490	1334	40894
Mar.	1740	4155	1815	3052	390	1319	40555
June	1801	4292	1842	3082	393	1304	40364
1975-76 : Sept.	1829	4404	1841	3118	399	1276	40841
Dec.	1831	4483	1824	3151	415	1261	41328
Mar.	1825	4575	1861	3183	444	1250	41166
June	1820	4632	1834	3218	469	1252	42006
1976-77 : Sept.	1828	4635	1852	3260	469	1269	42625
Dec.	1821	4655	1853	3307	491	1274	42794
Mar.	1829	4716	1857	3354	513	1267	42976
June	1843	4792	1858	3399	496	1257	43251
1977-78 : Sept.	1855	4835	1846	3447	453	1246	43183
Dec.	1854	4892	1861	3495	430	1239	43221
Mar.	1863	4983	1853	3541	456	1220	43333
June	1871	5053	1875	3587	484	1216	44046
1978-79 : Sept.	1880	5071	1893	3632	516	1225	44715
Dec.	1876	5084	1879	3680	543	1237	45221
Mar.	1885	5117	1880	3727	501	1234	45311
June	1897	5121	1862	3776	550	1243	45542
1979-80 : Sept.	1864	5180	1855	3822	452	1244	45772
Dec.	1848	5274	1893	3873	530	1231	46557
Mar.	1870	5214	1839	3824	535	1288	46138
June	1931	5218	1943	3975	505	1295	46401
1980-81 : Sept.	1936	5318	1959	4026	540	1328	47265
Dec.	1970	5298	1956	4081	594	1399	47814
Mar.	1974	5369	1950	4139	604	1436	47956
June	1973	5389	1995	4193	608	1458	48210
1981-82 : Sept.	2032	5410	2024	4250	637	1437	49050
Dec.	1981	5502	2016	4244	636	1339	49401
Mar.	1991	5553	2034	4291	678	1413	50027
June	1971	5636	2035	4315	687	1419	50318
1982-83 : Sept.	1967	5701	2028	4342	621	1380	49274
Dec.	2015	5738	2032	4368	549	1394	47974
Mar.	2022	5776	2008	4390	523	1377	47183
June	2041	5834	2024	4408	570	1433	47515
1983-84 : Sept.	2113	5975	2062	4431	572	1509	48989
Dec.	2135	6066	2099	4455	583	1549	49686
Mar.	2155	6127	2093	4481	617	1561	50453
June	2197	6211	2093	4505	670	1533	51150
1984-85 : Sept.	2218	6255	2110	4529	733	1513	51941
Dec.	2227	6285	2110	4556	691	1502	52425
Mar.	2219	6338	2178	4582	772	1519	53390
June	2248	6432	2187	4608	731	1506	54373
1985-86 : Sept.	2254	6528	2174	4639	807	1433	55341
Dec.	2254	6590	2242	4670	763	1425	56082
Mar.	2264	6649	2252	4698	748	1405	55609
June	2305	6624	2261	4722	723	1420	55861
1986-87 : Sept.	2288	6679	2229	4749	689	1431	55890
Dec.	2292	6735	2239	4773	683	1431	55837
Mar.	2309	6770	2264	4797	672	1488	56149
June	2332	6925	2282	4821	714	1510	57006
1987-88 : Sept.	2345	6891	2323	4843	691	1557	57624
Dec.	2328	6937	2336	4869	737	1556	58624
Mar.	2351	6939	2342	4891	767	1592	59213
June	2352	7080	2385	4916	759	1635	58893
1988-89 : Sept.	2329	7052	2432	4943	826	1742	59752
Dec.	2340	7048	2396	4971	953	1808	61102

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	6449	742	1251	1925	2853	2242	1626
1977-78	6688	720	1246	1857	2927	2328	1570
1978-79	6813	749	1315	1922	3081	2453	1612
1979-80	6885	785	1354	1983	3287	2518	1720
1980-81	6962	784	1381	2055	3370	2510	1763
1981-82	6991	800	1375	2087	3457	2598	1804
1982-83	6956	738	1287	1843	3274	2521	1551
1983-84	6938	770	1386	1935	3415	2614	1582
1984-85	7023	848	1433	2030	3718	2682	1689
1985-86	7125	946	1422	2113	3895	2957	1901
1986-87	7282	886	1423	2002	3964	3355	1811
1987-88	7680	1067	1329	2050	4244	3648	1913
1976-77 : Sept.	1632	188	349	512	711	547	448
Dec.	1685	204	344	519	751	576	434
Mar.	1534	164	276	434	674	535	363
June	1598	186	282	460	717	584	381
1977-78 : Sept.	1647	188	333	470	767	560	391
Dec.	1787	190	301	489	787	601	429
Mar.	1632	159	281	395	676	569	364
June	1622	183	331	493	717	598	386
1978-79 : Sept.	1682	208	334	514	765	617	400
Dec.	1856	192	332	522	793	610	411
Mar.	1658	179	301	419	729	590	394
June	1617	190	348	467	794	636	407
1979-80 : Sept.	1713	196	349	523	861	616	451
Dec.	1805	210	359	492	847	682	427
Mar.	1675	178	315	456	775	604	384
June	1692	204	331	512	804	616	458
1980-81 : Sept.	1754	197	380	552	846	637	448
Dec.	1935	210	356	535	867	618	464
Mar.	1690	161	309	446	787	626	423
June	1583	216	336	522	860	629	428
1981-82 : Sept.	1697	211	394	565	900	621	447
Dec.	1891	206	348	554	893	682	495
Mar.	1680	181	296	459	793	620	416
June	1723	202	337	509	871	675	446
1982-83 : Sept.	1788	207	365	494	846	632	415
Dec.	1867	196	304	468	852	678	418
Mar.	1649	161	270	384	756	609	319
June	1652	174	348	497	820	602	399
1983-84 : Sept.	1679	194	365	475	841	653	421
Dec.	1833	182	342	520	885	676	399
Mar.	1682	170	319	444	805	677	367
June	1744	224	360	496	884	608	375
1984-85 : Sept.	1761	224	395	548	931	661	400
Dec.	1820	202	366	532	921	655	414
Mar.	1706	181	307	450	875	680	395
June	1736	241	365	500	991	686	480
1985-86 : Sept.	1765	201	404	589	1009	711	517
Dec.	1883	251	350	566	1069	753	494
Mar.	1727	198	310	459	899	755	435
June	1750	296	358	509	918	738	455
1986-87 : Sept.	1790	247	366	509	957	783	456
Dec.	1962	209	382	534	1054	862	486
Mar.	1745	174	338	448	930	826	406
June	1785	236	337	511	1023	874	463
1987-88 : Sept.	1875	275	369	552	1064	899	471
Dec.	2072	251	341	556	1116	917	508
Mar.	1913	248	285	429	1042	925	485
June	1820	293	334	513	1022	907	449
1988-89 : Sept.	1910	281	387	530	1115	930	530
Dec.	2155	264	362	558	1184	944	554

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	2899	2591	3273	3862	1641	31354
1977-78	2892	2560	3064	3729	1630	31211
1978-79	3086	2720	3116	3882	1766	32336
1979-80	3367	2863	3393	3997	1787	33942
1980-81	3527	2990	3210	4250	1842	34644
1981-82	3524	3098	3407	4435	1922	35498
1982-83	3049	2442	3238	3711	1749	32559
1983-84	3379	2570	3185	3516	1794	33064
1984-85	3690	2578	3474	3702	1901	34768
1985-86	3829	2714	3441	3895	1960	36198
1986-87	3816	2677	2921	3847	2032	36016
1987-88	3992	3142	2951	3775	2237	38028
1976-77 : Sept.	758	622	828	1035	412	8042
Dec.	766	659	860	1034	433	8275
Mar.	660	605	715	891	363	7214
June	715	695	870	902	433	7823
1977-78 : Sept.	719	647	759	944	462	7887
Dec.	714	661	794	1032	399	8174
Mar.	719	586	704	792	351	7228
June	740	666	807	961	418	7922
1978-79 : Sept.	753	686	785	965	459	8168
Dec.	782	719	782	1047	459	8505
Mar.	768	622	687	885	404	7636
June	783	693	862	985	444	8226
1979-80 : Sept.	867	756	914	1034	480	8760
Dec.	828	762	935	1059	469	8875
Mar.	859	652	703	920	407	7928
June	813	693	841	984	431	8379
1980-81 : Sept.	873	719	821	1082	473	8782
Dec.	917	794	838	1114	503	9151
Mar.	854	713	698	959	406	8082
June	883	764	853	1095	460	8629
1981-82 : Sept.	922	809	866	1160	498	9090
Dec.	883	836	867	1175	531	9361
Mar.	836	711	735	1014	444	8185
June	883	742	939	1086	449	8862
1982-83 : Sept.	860	753	978	1147	494	8979
Dec.	703	661	825	955	453	8380
Mar.	671	565	661	784	387	7216
June	815	663	774	825	415	7984
1983-84 : Sept.	892	625	848	906	447	8346
Dec.	840	651	810	947	480	8565
Mar.	775	608	694	783	433	7757
June	872	686	833	880	434	8396
1984-85 : Sept.	952	671	897	931	502	8873
Dec.	964	696	851	923	519	8863
Mar.	839	582	761	880	452	8108
June	935	629	965	968	428	8924
1985-86 : Sept.	1009	739	949	944	463	9300
Dec.	1002	707	940	1063	547	9615
Mar.	914	600	729	913	416	8355
June	904	668	823	975	534	8928
1986-87 : Sept.	975	695	876	1055	535	9274
Dec.	961	706	887	939	519	9301
Mar.	898	604	627	933	443	8372
June	982	672	731	920	535	9069
1987-88 : Sept.	1001	774	770	1002	572	9624
Dec.	1039	837	764	896	592	9889
Mar.	936	746	644	916	528	9097
June	1016	785	773	961	545	9418
1988-89 : Sept.	1042	871	801	984	590	9971
Dec.	1069	847	820	1012	629	10398

HISTORICAL TABLES

TABLE 16 : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 1984-85 PRICES, BY SUBDIVISION,
SEASONALLY ADJUSTED (\$ 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 : Sept.	1637	180	330	486	686	551	436
Dec.	1571	193	333	489	717	556	415
Mar.	1584	183	306	491	723	556	391
June	1661	185	280	460	728	578	381
1977-78 : Sept.	1653	181	314	445	740	565	381
Dec.	1665	180	291	470	733	580	411
Mar.	1685	178	312	447	725	590	392
June	1686	181	330	493	728	593	385
1978-79 : Sept.	1690	200	313	487	737	623	390
Dec.	1726	182	323	492	760	588	393
Mar.	1712	201	335	475	781	611	425
June	1683	187	348	467	804	632	405
1979-80 : Sept.	1723	188	323	495	831	623	442
Dec.	1676	200	351	464	813	657	408
Mar.	1732	200	352	517	831	625	414
June	1760	199	332	513	811	611	455
1980-81 : Sept.	1763	188	348	521	818	648	439
Dec.	1796	202	351	505	833	593	443
Mar.	1751	182	346	506	854	646	457
June	1643	210	337	523	864	624	425
1981-82 : Sept.	1705	200	357	532	874	634	437
Dec.	1757	200	345	524	857	655	474
Mar.	1744	206	334	520	851	636	450
June	1782	194	338	511	872	671	443
1982-83 : Sept.	1796	195	329	464	826	647	404
Dec.	1740	194	303	443	815	633	401
Mar.	1714	185	306	436	812	619	346
June	1701	164	347	498	819	601	397
1983-84 : Sept.	1687	181	328	446	825	667	408
Dec.	1713	183	341	491	842	654	383
Mar.	1748	197	362	505	866	684	399
June	1791	209	357	497	883	610	373
1984-85 : Sept.	1770	227	357	515	917	674	387
Dec.	1705	207	364	502	872	636	398
Mar.	1770	211	348	513	941	683	429
June	1780	222	362	500	993	693	478
1985-86 : Sept.	1776	185	367	554	995	720	500
Dec.	1767	261	347	523	1008	735	474
Mar.	1789	232	351	524	967	754	473
June	1794	270	356	509	922	750	452
1986-87 : Sept.	1803	244	333	479	944	799	442
Dec.	1841	219	377	502	992	843	466
Mar.	1805	204	383	512	1030	824	462
June	1832	214	335	512	1030	891	460
1987-88 : Sept.	1889	252	336	520	1050	903	458
Dec.	1944	264	336	522	1048	897	485
Mar.	1978	291	323	491	1121	924	529
June	1868	265	332	513	1031	925	445
1988-89 : Sept.	1924	257	353	499	1099	933	517
Dec.	2022	279	357	524	1111	924	528

HISTORICAL TABLES

TABLE 16 (cont) : MANUFACTURING INDUSTRY GROSS PRODUCT AT AVERAGE 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.	743	609	802	1005	385	7850
	Dec.	751	632	823	962	414	7856
	Mar.	680	660	816	975	409	7774
	June	723	692	833	920	434	7875
1977-78	Sept.	704	634	734	914	433	7698
	Dec.	700	625	758	962	381	7756
	Mar.	743	639	806	868	395	7780
	June	748	664	772	979	420	7979
1978-79	Sept.	734	671	757	933	431	7966
	Dec.	769	680	746	977	437	8073
	Mar.	796	677	792	973	451	8229
	June	791	693	825	1301	449	8285
1979-80	Sept.	839	737	876	995	452	8524
	Dec.	816	721	894	992	445	8437
	Mar.	897	710	815	1015	451	8559
	June	819	694	806	997	439	8436
1980-81	Sept.	838	699	779	1037	447	8525
	Dec.	908	754	804	1048	475	8712
	Mar.	900	776	814	1062	446	8740
	June	885	764	819	1105	473	8672
1981-82	Sept.	879	786	814	1107	472	8797
	Dec.	875	795	836	1113	500	8931
	Mar.	893	774	859	1123	483	8873
	June	880	740	903	1092	465	8891
1982-83	Sept.	816	731	911	1091	470	8680
	Dec.	696	629	800	912	425	8011
	Mar.	723	617	773	866	418	7815
	June	809	661	745	827	432	8001
1983-84	Sept.	845	606	786	859	426	8064
	Dec.	830	619	791	914	451	8212
	Mar.	840	666	808	858	467	8400
	June	864	685	804	882	451	8406
1984-85	Sept.	903	649	830	879	480	8568
	Dec.	948	660	832	903	488	8515
	Mar.	910	638	883	952	487	8765
	June	928	631	934	973	444	8938
1985-86	Sept.	962	713	878	887	443	8980
	Dec.	979	668	919	1056	515	9252
	Mar.	991	659	843	974	449	9006
	June	899	675	797	983	550	8957
1986-87	Sept.	934	668	813	987	514	8960
	Dec.	934	666	670	944	489	8943
	Mar.	971	663	724	985	480	8993
	June	979	683	709	930	549	9124
1987-88	Sept.	961	740	715	935	550	9309
	Dec.	1008	788	744	907	558	9501
	Mar.	1011	820	743	961	574	9766
	June	1014	800	750	974	557	9474
1988-89	Sept.	1002	831	744	916	568	9643
	Dec.	1036	798	798	1028	592	9997

Recommended retail price: \$7.50



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