

## Index of Production, November 2011



Coverage: UK

Date: 12 January 2012

Geographical Area: UK and GB

Theme: **Economy**

### Key points

- The seasonally adjusted Index of Production fell by 3.1 per cent in November 2011 compared with November 2010.
- The seasonally adjusted Index of Manufacturing fell by 0.6 per cent in November 2011 compared with November 2010.
- The seasonally adjusted Index of Production fell by 0.6 per cent between October 2011 and November 2011.
- The seasonally adjusted Index of Manufacturing fell by 0.2 per cent between October 2011 and November 2011.

### Key figures

#### Percentage change

	Index number	Month on a year earlier	3 months on a year earlier	Month on previous month	3 months on previous 3 months
	2008=100				
<b>Production</b>	90.4	-3.1	-2.2	-0.6	-0.9
<b>Manufacturing</b>	95.0	-0.6	0.2	-0.2	-0.9

Table source: Office for National Statistics

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## Supplementary analysis

The seasonally adjusted index of production fell by 3.1 per cent in November 2011 compared with November 2010, the largest fall since December 2009. This is the 9th consecutive fall on the month a year ago, the last rise was in February 2011, which was the 12th consecutive increase.

There were decreases in mining and quarrying, energy and manufacturing which fell by 14.2 per cent, 8.6 per cent and 0.6 per cent respectively. The water and waste management sector increased, contributing 0.3 percentage points to the 3.1 per cent decrease.

The seasonally adjusted index of production fell by 0.6 per cent between October 2011 and November 2011. Mining and quarrying, energy and manufacturing all fell on the month, contributing 0.3 percentage points, 0.2 percentage points and 0.1 percentage points to the 0.6 per cent index of production fall.

### Manufacturing

Seasonally adjusted manufacturing output fell by 0.2 per cent in November 2011 compared with October 2011. Seven manufacturing industries sectors fell with six rising. The largest contributions to the month on month fall in manufacturing output were the manufacture of basic metals and metal products industries which fell by 2.4 per cent, followed by manufacture of wood and paper products which fell by 2.5 per cent and manufacture of chemical and chemical products which fell by 2.7 per cent. In contrast, manufacture of transport equipment industries rose by 2.9 per cent in November 2011 compared with October 2011.

### Mining and quarrying

Output of the mining and quarrying industries fell by 14.2 per cent in November 2011 compared with November 2010. This was the 14th consecutive decrease. The biggest decrease was in the extraction of oil and gas which fell by 16.7 per cent contributing 14.0 percentage points to the 14.2 per cent fall in November 2011 compared with the same month a year ago. Between October 2011 and November 2011 mining and quarrying fell by 2.2 per cent. Oil and gas extraction was the biggest downwards driver falling by 2.1 per cent on the month.

### Energy supply

Between November 2010 and November 2011 energy supply fell by 8.6 per cent. Gas supply decreased by 23.7 per cent and Electricity supply decreased by 3.9 per cent. Between October 2011 and November 2011 energy supply fell by 2.2 per cent. Gas supply was the main driver falling by 12.3 per cent, with reduced demand for gas used in the production of electricity the main reason for the decrease. When interpreting the data users should be mindful of the fact that October and November 2011 were both unusually mild in comparison to previous years.

## Water and waste management

Water and waste management rose by 3.7 per cent on the month a year ago and fell by 0.1 per cent between October 2011 and November 2011.

## Revisions

This month, the period open for revision is October 2011 only. Month on month, mining and quarrying and manufacturing have been revised down for October 2011. Mining and quarrying was revised down from a rise of 1.8 per cent to a rise of 0.2 per cent and manufacturing was revised from a fall of 0.7 per cent to a fall of 0.9 per cent. As a result, the index of production was revised down from a fall of 0.7 per cent to a fall of 1.0 per cent. Both these revisions were a result of late data being received and seasonal factors being re-estimated.

## Production in detail

The Index of Production (IoP) measures the output of the production industries in the United Kingdom. Figures are adjusted for seasonal variations unless otherwise stated and the reference year is 2008 = 100. For an explanation of the terms used in this bulletin, please see the Background Notes section. Care should be taken when using the month on month growth rates due to their volatility. An assessment of the quality of the production statistics is available in the background notes.

## Headline growth rates and contributions to the Index of Production November 2011

Description	% of production	Year on year growth (%)	Contribution to production (% points)	Month on month growth (%)	Contribution to production (% points)
<b>IoP</b>	100.0	-3.1	-3.09	-0.6	-0.61
<b>Sector B</b>	16.4	-14.2	-2.07	-2.2	-0.28
<b>Division 06</b>	14.1	-16.7	-2.05	-2.1	-0.22
<b>Sector C</b>	66.6	-0.6	-0.44	-0.2	-0.11
<b>Sector D</b>	9.3	-8.6	-0.85	-2.2	-0.21
<b>Sector E</b>	7.7	3.7	0.27	-0.1	-0.01

**Table source:** Office for National Statistics

### Table notes:

1. Headline figures for the Index of Production are:

Total Index of Production; Sector B Mining and quarrying; and within this Division 06 Oil and gas extraction; Sector C Manufacturing; Sector D Electricity, gas, steam and air conditioning; and Sector E Water supply, sewerage and waste management.

2. Individual contributions may not sum to the total due to rounding.
3. The Index of Production is made up four sectors: Mining and quarrying; Manufacturing; Electricity, gas, steam and air conditioning; and Water supply, sewerage and waste management. The larger the percentage contribution, the more likely the impact on the overall manufacturing growth rate will be significant.

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## Manufacturing growth rates and contributions to the Index of Production November 2011

Sub-sector	% of production	Year on year growth (%)	Contribution to production (% points)	Month on month growth (%)	Contribution to production (% points)
CA	11.2	1.3	0.16	1.4	0.18
CB	2.1	-1.4	-0.03	-1.5	-0.03
CC	5.9	-2.9	-0.16	-2.5	-0.14
CD	0.4	-4.8	-0.02	1.1	0.00
CE	5.5	0.7	0.03	-2.7	-0.14
CF	4.9	-12.7	-0.62	0.7	0.03
CG	5.0	-2.0	-0.09	-0.8	-0.04
CH	9.3	-4.2	-0.37	-2.4	-0.21
CI	4.9	1.1	0.05	0.8	0.04
CJ	2.2	-6.7	-0.14	-0.2	0.00
CK	4.4	1.5	0.07	-1.7	-0.09
CL	5.8	5.7	0.42	2.9	0.23
CM	4.9	5.1	0.26	1.1	0.06

**Table source:** Office for National Statistics

### Table notes:

1. The 13 manufacturing sub-sectors are:

CA Manufacture of food products, beverages and tobacco; CB Textiles, wearing apparel and leather products; CC Wood and paper products and printing; CD Coke and refined petroleum products; CE Chemicals and chemical products; CF Basic pharmaceutical products and preparations; CG Rubber and plastic products and non-metallic mineral products; CH Basic metals and metal products; CI Computer, electronic and optical products; CJ Electrical equipment; CK Machinery and equipment not elsewhere classified; CL Transport equipment; CM Other manufacturing and repair.

2. Individual contributions may not sum to the total due to rounding.

3. Manufacturing consists of 13 sub-sectors listed above with the percentage of the total they account for. The larger the percentage contribution, the more likely the impact on the overall manufacturing growth rate will be significant.

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## Sector analysis

### Mining and quarrying

The seasonally adjusted index of mining and quarrying in November 2011 fell by 14.2 per cent compared with November 2010. In particular:

- oil and gas extraction decreased by 16.7 per cent;
- the largest contributor to the 14.2 per cent year on year fall in overall mining and quarrying was approximately 14.0 percentage points from oil and gas extraction.

### Manufacturing

The seasonally adjusted index of manufacturing in November 2011 fell by 0.6 per cent compared with November 2010. In detail:

- output decreased in seven of the 13 manufacturing sub-sectors and rose in six sub-sectors;
- the largest decreases in output were in the manufacture of basic pharmaceutical products and preparations industries which fell by 12.7 per cent and in the manufacture of basic metals and metal products industries which fell by 4.2 per cent;
- the manufacture of basic pharmaceutical products and preparations industries solely consists of basic pharmaceutical products and preparations and fell by 12.7 per cent;
- within the manufacture of basic metals and metal products industries, the main falls were in the manufacture of fabricated metal products, other than weapons (4.9 per cent) and the manufacture of other basic metals and castings (13.3 per cent);
- the largest contributors to the 0.6 per cent year on year fall in overall manufacturing were approximately 0.9 percentage points from the basic pharmaceutical products and preparations industries and approximately 0.5 percentage points from the basic metals and metal products industries.

### Energy supply

The seasonally adjusted index of the electricity, gas, steam and air conditioning supply industries in November 2011 fell by 8.6 per cent compared with November 2010. The main movements were:

- gas, distribution of gaseous fuels through mains, steam and aircon supply decreased by 23.7 per cent;
- electric power generation, transmission and distribution decreased by 3.9 per cent;

- the largest contributor to the 8.6 per cent year on year fall in overall electricity, gas, steam and air conditioning supply was approximately 5.7 percentage points from gas, distribution of gaseous fuels through mains, steam and aircon supply.

## Water supply and waste management

The seasonally adjusted index of the water supply, sewerage and waste management industries in November 2011 rose by 3.7 per cent compared with November 2010. The main movements were:

- sewerage which increased by 16.6 per cent;
- water collection, treatment and supply which increased by 0.7 per cent;
- the largest contributor to the 3.7 per cent year on year rise in overall water supply, sewerage and waste management was approximately 4.9 percentage points from sewerage.

## Revisions

This release conforms to the standard revisions policy for National Accounts. In this release, only October 2011 period is open for revision.

Since last month, a number of late responses have been received to the Monthly Business Survey. The combined impact of these late data and seasonal adjustment factors being re-estimated is the month on month growth rate for the Index of Production for October 2011 to be revised by -0.3.

## Impact on GDP

There are no revisions to GDP arising from this release of IoP data.

## Summary statistics

[RFT Summary stats Nov 2011 \(46 Kb Excel sheet\)](#)

## Background notes

### 1. What's new?

This release conforms to the standard revisions policy for National Accounts. In this release, only October 2011 period is open for revision.

### Upcoming changes

The index of production release for December 2011 will have a revisions period back to January 2011.

### 2. Code of Practice for Official Statistics

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### 3. Understanding the data

#### Short Guide to the Index of Production

This Statistical Bulletin gives details of the index of output of the production industries in the United Kingdom. Index numbers of output in this Statistical Bulletin are on the base 2008=100 and are classified to the [2007 Standard Industrial Classification](#) (SIC). The production industries, which accounted for 15.4 per cent of gross domestic product in 2008, cover mining and quarrying (Sector B), manufacturing (Sector C), gas and electric (Sector D), and water supply and sewerage (Sector E).

#### Interpreting the data

The non-seasonally adjusted series contain elements relating to the impact of the standard reporting period, moving holidays and trading day activity. When making comparisons it is recommended that users focus on seasonally adjusted estimates as these have the seasonal effects and systematic calendar related components removed.

Figures for the most recent months are provisional and subject to revision in light of (a) late responses to surveys and administrative sources and (b) revisions to seasonal adjustment factors which are re-estimated every month and reviewed annually (changes from the latest review are included in this release).

#### Definitions and explanations

Definitions found within the main statistical bulletin are listed here:

- Chained volume measure
 

An index number from a chain index of quantity. The index number for the reference period of the index may be set equal to 100 or to the estimated monetary value of the item in the reference period.
- Index Number
 

A measure of the average level of prices, quantities or other measured characteristics relative to their level for a defined reference period or location. It is usually expressed as a percentage.
- Seasonally adjusted
 

Seasonal adjustment aids interpretation by removing effects associated with the time of the year or the arrangement of the calendar, which could obscure movements of interest.

#### Use of the data

The [ONS work programme consultation](#) which ended in December 2010 looked at customers views on how ONS could address customers' needs within a reducing budget.

## 4. Methods

The [Index of Production methodology](#) can be found on the ONS website.

### Composition of the data

The Index of Production uses a variety of different data from sources which are produced on either a quarterly or monthly basis.

Most of the indicators are derived using current price turnover deflated by a suitable price index. This includes the Monthly Business Survey (MBS) data; an ONS short term survey on different sectors of the economy. It is one of the main data sources used in the compilation of the Index of Production.

### Seasonal adjustment

The index numbers in this Statistical Bulletin are all seasonally adjusted. This aids interpretation by removing annually recurring fluctuations, for example, due to holidays or other regular seasonal patterns. Unadjusted data are also available.

Seasonal adjustment removes regular variation from a time series. Regular variation includes effects due to month lengths, different activity near particular events such as shopping activity before Christmas, and regular holidays such as the May bank holiday. Some features of the calendar are not regular each year, but are predictable if we have enough data - for example the number of certain days of the week in a month may have an effect, or the impact of the timing of Easter. As Easter changes between March and April we can estimate its effect on time series and allocate it between March and April depending on where Easter falls. Estimates of the effects of day of the week and Easter are used respectively to make trading day and Easter adjustments prior to seasonal adjustments.

### Deflation

It is common for the value of a group of financial transactions to be measured in several time periods. The values measured will include both the change in the volume sold and the effect of the change of prices over that year. Deflation is the process whereby the effect of price change is removed from a set of values.

All series, unless otherwise quoted, are measured at constant basic prices. Deflators adjust the value series to take out the effect of price change to give the volume series.

## 5. Quality

### Basic quality information

Common pitfalls in interpreting series: Expectations of accuracy and reliability in early estimates are often too high. Revisions are an inevitable consequence of the trade off between timeliness and accuracy. Early estimates are based on incomplete data.



Very few statistical revisions arise as a result of 'errors' in the popular sense of the word. All estimates, by definition, are subject to statistical 'error' but in this context the word refers to the uncertainty inherent in any process or calculation that uses sampling, estimation or modelling. Most revisions reflect either the adoption of new statistical techniques, or the incorporation of new information which allows the statistical error of previous estimates to be reduced. Only rarely are there avoidable 'errors' such as human or system failures, and such mistakes are made quite clear when they do occur.

### **Summary quality report**

A [summary quality report](#) for this Statistical Bulletin can now be found on the National Statistics website.

The 2005 median annual growth of MPI turnover, their associated standard errors and quality bands can now be found on the National Statistics website [here](#).

### **National Accounts revisions policy**

Figures for the most recent months are provisional and subject to revision in light of (a) late responses to the Monthly Business Survey MBS (previously the Monthly Production Inquiry MPI) and (b) revisions to seasonal adjustment factors which are re-estimated every period.

In the next bulletin, which will contain figures for December 2011 and will be published on 09 February 2012, the period open for revision will be from January 2011.

National Accounts revision policy can be found [here](#).

### **Revision triangles**

One indication of the reliability of the key indicators in this bulletin can be obtained by monitoring the size of revisions. The table below is based on the revisions which have occurred over the last five years. Please note that these indicators only report summary measures for revisions. The revised data may, themselves, be subject to sampling or other sources of error.

The table below presents a summary of the differences between the first estimates published between December 2005 and November 2010 and the estimates published 12 months later.

## Revisions November 2011

Revisions between first publication and estimates produced 12 months later (percentage points)

Growth rates	Value in latest period	Average	Absolute average
Production - 3 month	-0.9	-0.07	0.26
Manufacturing - 3 month	-0.9	-0.07	0.32
Production - 1 month	-0.6	-0.07	0.26
Manufacturing - 1 month	-0.2	-0.05	0.28

**Table source:** Office for National Statistics

### Table notes:

1. Averages shown are over the most recent five years. The absolute average is the average over the most recent five years without regard to sign.

### Download table

 [XLS format](#)

(26 Kb)

Spreadsheets giving [revisions triangles \(3.05 Mb ZIP\)](#) of estimates for all months from December 1997 through to the current month, and the calculations behind the averages in the above table, are available on the National Statistics website.

A statistical test has been applied to the average revisions to find out if they are statistically significantly different from zero. No such differences have been found.

The table uses historical data for the most recent 60 months, comparing the estimate at first publication with the estimate as published 12 months later. The numbers which underpin these averages will include normal changes due to late data and re-seasonal adjustment, but also significant methodological changes, the most recent being the introduction of the 2007 Standard Industrial Classification in October 2011.

## 6. Publication policy

Details of the policy governing the release of new data are available from the press office. Also available is a [list of those given pre-publication access \(39.7 Kb Pdf\)](#) to the contents of this release.

A complete set of series in the Statistical Bulletin are available to download free of charge on the [Data section](#) of the National Statistics website. Alternatively, for low-cost tailored data, call Online Services on 02075335675 or email [tailored@statistics.gov.uk](mailto:tailored@statistics.gov.uk).

## 7. Accessing data

The complete run of data in the tables of this Statistical Bulletin is also available to view and download in electronic format free of charge using the [ONS Time Series Data service](#). Users can download the complete bulletin in a choice of zipped formats, or view and download their own selections of individual series.

ONS provides an analysis of past revisions in the IoP and other Statistical Bulletins (previously known as First Release) which present time series. Details can be found [here](#).

[ONS now publishes revisions triangles](#) for all the main published key indicators on the National Statistics website.

## 8. Following ONS

You can follow ONS on [Twitter](#) and [Facebook](#).

## 9. Next publication: Thursday 09 February 2012

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10. Details of the policy governing the release of new data are available by visiting [www.statisticsauthority.gov.uk/assessment/code-of-practice/index.html](http://www.statisticsauthority.gov.uk/assessment/code-of-practice/index.html) or from the Media Relations Office email: [media.relations@ons.gsi.gov.uk](mailto:media.relations@ons.gsi.gov.uk)

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This document is also available on our website at [www.ons.gov.uk](http://www.ons.gov.uk).

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# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2008 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries B+C+D+E	Mining and quarrying B	Manufacturing C	Electricity, gas, steam and air conditioning D	Water supply, sewerage and waste management E	Oil and gas extraction 06	Consumer durables MIG-CD	Consumer non-durables MIG-CND	Capital goods MIG-CAG	Intermediate goods MIG-IG	Energy MG-NRG
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2006	102.4	109.7	101.9	98.7	98.8	108.7	104.9	103.7	100.6	102.5	104.2
2007	102.9	107.0	102.7	99.5	101.8	106.1	105.9	101.9	103.1	103.6	102.9
2008	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2009	91.0	91.0	90.4	95.2	91.9	91.8	92.5	99.2	89.3	84.2	93.8
2010	92.7	86.5	93.7	98.6	90.4	85.9	88.5	99.0	97.7	86.9	90.9
2010 Q3	93.1	86.7	94.6	95.0	91.3	86.2	88.2	99.2	98.9	87.8	90.2
2010 Q4	93.2	82.4	95.2	100.7	90.5	80.8	87.5	99.8	100.3	87.8	89.5
2011 Q1	93.0	78.5	95.9	95.6	95.0	75.8	91.5	99.3	103.9	87.7	85.0
2011 Q2	91.7	72.5	96.0	94.3	92.4	69.3	91.5	101.2	103.3	86.4	80.9
2011 Q3	91.8	72.3	96.0	96.4	91.9	68.8	88.2	101.1	104.0	86.7	81.1
2010 Sep	93.3	87.7	94.7	95.9	89.8	87.2	86.8	99.5	98.7	88.2	91.1
2010 Oct	92.9	83.5	95.0	97.2	89.3	82.1	86.8	100.2	99.2	88.1	88.9
2010 Nov	93.3	82.9	95.6	98.9	89.2	81.4	86.2	99.5	101.1	88.6	88.8
2010 Dec	93.5	80.8	94.9	106.0	93.1	79.0	89.6	99.7	100.5	86.7	90.7
2011 Jan	93.7	83.2	95.7	97.1	94.5	80.9	92.1	98.7	102.7	88.5	88.5
2011 Feb	92.6	76.5	95.9	94.5	95.7	73.5	90.9	98.9	104.2	87.8	83.5
2011 Mar	92.7	75.9	96.2	95.1	94.9	73.0	91.5	100.4	104.9	87.0	83.1
2011 Apr	91.1	75.1	94.9	90.3	93.5	72.4	90.8	100.5	101.4	85.7	81.3
2011 May	91.8	70.7	96.6	94.9	92.2	67.6	91.7	101.2	104.3	86.8	80.2
2011 Jun	92.1	71.6	96.4	97.6	91.3	68.0	91.9	101.8	104.2	86.7	81.3
2011 Jul	91.7	71.3	96.2	95.4	91.3	67.8	90.0	101.6	103.4	87.2	80.3
2011 Aug	91.9	73.1	95.9	97.0	91.7	69.7	88.4	101.9	103.3	86.2	81.8
2011 Sep	91.9	72.6	95.9	96.7	92.6	68.7	86.3	99.9	105.4	86.7	81.2
2011 Oct	91.0 <sup>†</sup>	72.7 <sup>†</sup>	95.1 <sup>†</sup>	92.4 <sup>†</sup>	92.5 <sup>†</sup>	69.2 <sup>†</sup>	86.0 <sup>†</sup>	99.3 <sup>†</sup>	104.3 <sup>†</sup>	85.8 <sup>†</sup>	79.8 <sup>†</sup>
2011 Nov	90.4	71.1	95.0	90.4	92.5	67.8	86.7	99.2	105.5	84.4	78.3

## Percentage change, latest year on previous year

2006	-	-7.6	1.7	-0.3	-2.7	-9.6	0.3	0.7	2.9	1.8	-5.4
2007	0.5	-2.5	0.8	0.8	3.0	-2.4	1.0	-1.7	2.5	1.0	-1.2
2008	-2.8	-6.5	-2.6	0.5	-1.8	-5.8	-5.6	-1.9	-3.0	-3.5	-2.9
2009	-9.0	-9.0	-9.6	-4.8	-8.1	-8.2	-7.5	-0.8	-10.7	-15.8	-6.2
2010	1.9	-4.9	3.7	3.5	-1.6	-6.5	-4.3	-0.2	9.4	3.2	-3.1

## Percentage change, latest month on same month a year ago

2009 Sep	-10.2	-20.1	-9.2	-2.8	-7.9	-21.5	-3.9	-1.7	-8.1	-15.5	-12.4
2009 Oct	-7.5	-8.1	-7.6	-6.3	-6.8	-8.0	0.7	-4.9	-3.9	-12.8	-6.9
2009 Nov	-4.4	-8.2	-3.8	-2.3	-3.6	-8.4	1.9	-0.5	-0.6	-9.2	-5.5
2009 Dec	-3.2	-11.8	-1.8	-0.3	-1.8	-12.7	0.9	-1.8	0.9	-4.0	-7.6
2010 Jan	-1.6	-8.7	-0.4	5.2	-4.7	-9.9	-3.5	-1.4	4.9	-3.0	-5.1
2010 Feb	-0.6	-8.4	1.0	4.7	-4.1	-10.4	-1.5	-2.7	7.4	0.8	-5.9
2010 Mar	2.2	-1.4	3.2	4.9	-1.5	-2.4	0.2	-1.7	9.2	3.6	-0.9
2010 Apr	0.9	-5.9	2.1	7.0	-2.1	-7.5	-3.7	-6.3	10.1	4.6	-3.6
2010 May	2.5	-1.0	3.5	5.4	-1.8	-2.5	-2.6	-3.3	12.2	4.6	-1.4
2010 Jun	1.2	-9.5	3.9	1.0	2.2	-12.1	-6.2	0.5	9.6	3.0	-6.6
2010 Jul	1.6	-8.9	5.0	-2.9	1.3	-11.0	-1.4	-0.9	12.7	4.7	-7.1
2010 Aug	3.8	0.3	6.2	-2.0	-1.6	0.3	0.2	3.5	12.7	3.5	-1.1
2010 Sep	3.7	2.9	5.2	0.2	-2.7	2.7	-9.0	2.1	9.7	4.5	1.2
2010 Oct	2.7	-6.2	5.3	3.4	-2.8	-8.1	-9.5	4.2	7.3	5.0	-3.1
2010 Nov	2.7	-6.2	5.1	5.3	-2.5	-8.8	-9.4	1.2	9.5	5.5	-3.1
2010 Dec	3.3	-4.8	4.3	10.3	1.8	-6.7	-4.6	3.1	8.0	1.8	0.8
2011 Jan	3.3	-4.5	5.8	-3.8	6.6	-7.3	3.8	-0.4	10.9	7.3	-3.9
2011 Feb	1.4	-12.2	4.8	-4.8	8.0	-15.0	0.4	0.7	10.9	3.3	-8.1
2011 Mar	-0.6	-16.1	2.9	-4.2	5.4	-19.3	1.0	0.7	8.7	0.3	-10.8
2011 Apr	-1.8	-16.0	2.0	-9.7	4.5	-18.8	1.3	3.9	6.4	-2.5	-11.8
2011 May	-1.5	-22.6	3.5	-4.6	3.1	-26.1	2.4	3.6	4.5	-0.2	-13.9
2011 Jun	-0.5	-16.4	3.1	1.0	-2.4	-19.6	6.9	2.6	7.7	-0.4	-9.6
2011 Jul	-1.2	-16.8	2.2	0.4	-1.9	-20.1	1.8	3.5	4.6	-0.6	-10.6
2011 Aug	-1.2	-15.7	1.2	3.1	1.0	-19.4	-1.2	1.9	4.3	-1.4	-9.0
2011 Sep	-1.5	-17.3	1.3	0.8	3.1	-21.2	-0.6	0.3	6.7	-1.7	-10.9
2011 Oct	-2.1 <sup>†</sup>	-12.9 <sup>†</sup>	0.1 <sup>†</sup>	-5.0 <sup>†</sup>	3.7 <sup>†</sup>	-15.8 <sup>†</sup>	-1.0	-0.9 <sup>†</sup>	5.1 <sup>†</sup>	-2.6 <sup>†</sup>	-10.2 <sup>†</sup>
2011 Nov	-3.1	-14.2	-0.6	-8.6	3.7	-16.7	0.6	-0.3	4.3	-4.8	-11.8

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2008 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>											
2009 Sep	0.4	-1.4	1.0	-0.3	-0.1	-1.5	6.9	0.9	2.4	-0.2	-1.0
Oct	0.6	4.5	0.2	-1.8	-0.6	5.3	0.5	-1.3	2.8	-0.5	1.9
Nov	0.3	-0.8	0.7	-0.1	-0.4	-0.1	-0.8	2.1	-0.2	-	-
Dec	-0.3	-3.8	0.1	2.3	-	-5.1	-1.3	-1.6	0.8	1.4	-1.9
2010 Jan	0.3	2.6	-0.6	5.1	-3.2	3.1	-5.5	2.5	-0.5	-3.2	2.3
Feb	0.6	-	1.1	-1.6	0.1	-0.9	2.0	-0.9	1.5	3.1	-1.3
Mar	2.2	3.9	2.2	-0.1	1.6	4.7	0.1	1.5	2.7	2.1	2.6
Apr	-0.5	-1.3	-0.4	0.7	-0.6	-1.5	-1.0	-3.0	0.5	1.3	-1.1
May	0.5	2.2	0.2	-0.6	-0.1	2.5	-0.1	1.0	1.0	-1.0	1.0
Jun	-0.8	-6.3	0.2	-2.8	4.6	-7.5	-3.9	1.6	-1.2	0.1	-3.5
Jul	0.3	0.1	0.7	-1.6	-0.5	0.4	2.8	-1.0	2.1	0.8	-0.1
Aug	0.3	1.2	0.6	-1.1	-2.4	1.9	1.2	1.8	0.2	-0.3	0.2
Sep	0.3	1.2	-	1.9	-1.2	0.8	-3.0	-0.4	-0.3	0.8	1.3
Oct	-0.4	-4.8	0.3	1.4	-0.6	-5.8	-	0.7	0.5	-0.1	-2.4
Nov	0.4	-0.8	0.6	1.7	-0.1	-0.9	-0.7	-0.8	1.9	0.6	-0.1
Dec	0.2	-2.5	-0.7	7.2	4.4	-2.9	3.9	0.2	-0.6	-2.2	2.1
2011 Jan	0.2	2.9	0.9	-8.4	1.4	2.4	2.8	-1.0	2.2	2.0	-2.5
Feb	-1.2	-8.1	0.1	-2.6	1.3	-9.2	-1.3	0.3	1.5	-0.8	-5.6
Mar	0.1	-0.7	0.3	0.6	-0.8	-0.6	0.7	1.5	0.6	-0.9	-0.5
Apr	-1.7	-1.2	-1.3	-5.0	-1.4	-0.9	-0.7	0.2	-3.4	-1.5	-2.2
May	0.8	-5.8	1.7	5.1	-1.4	-6.7	0.9	0.7	2.9	1.3	-1.4
Jun	0.2	1.2	-0.2	2.8	-1.0	0.6	0.3	0.6	-	-0.1	1.3
Jul	-0.4	-0.4	-0.2	-2.2	-	-0.2	-2.1	-0.2	-0.8	0.5	-1.2
Aug	0.3	2.6	-0.4	1.6	0.5	2.8	-1.8	0.3	-0.1	-1.1	1.9
Sep	-	-0.7	0.1	-0.3	1.0	-1.5	-2.4	-2.0	2.0	0.6	-0.8
Oct	-1.0 <sup>†</sup>	0.2 <sup>†</sup>	-0.9 <sup>†</sup>	-4.4 <sup>†</sup>	-0.1 <sup>†</sup>	0.7 <sup>†</sup>	-0.4	-0.6	-1.0 <sup>†</sup>	-1.1	-1.7 <sup>†</sup>
Nov	-0.6	-2.2	-0.2	-2.2	-0.1	-2.1	0.9	-0.1	1.1	-1.6	-1.9
<b>Percentage change, latest 3 months on same 3 months a year ago</b>											
2009 Sep	-9.8	-12.0	-10.3	-2.6	-9.7	-11.8	-8.3	-1.9	-10.8	-16.4	-7.2
Oct	-9.5	-14.1	-9.3	-4.4	-8.4	-14.6	-5.1	-3.5	-8.0	-14.9	-9.4
Nov	-7.4	-12.4	-6.9	-3.8	-6.1	-12.9	-0.5	-2.4	-4.3	-12.6	-8.4
Dec	-5.1	-9.4	-4.4	-3.0	-4.1	-9.7	1.2	-2.4	-1.2	-8.8	-6.7
2010 Jan	-3.1	-9.6	-2.0	0.9	-3.4	-10.3	-0.2	-1.2	1.7	-5.5	-6.1
Feb	-1.8	-9.6	-0.4	3.2	-3.5	-11.0	-1.4	-1.9	4.4	-2.1	-6.2
Mar	-	-6.2	1.3	4.9	-3.4	-7.6	-1.6	-1.9	7.2	0.4	-4.0
Apr	0.8	-5.3	2.1	5.5	-2.6	-6.8	-1.7	-3.6	8.9	3.0	-3.5
May	1.9	-2.8	2.9	5.8	-1.8	-4.1	-2.0	-3.8	10.5	4.3	-2.0
Jun	1.5	-5.5	3.2	4.4	-0.6	-7.4	-4.1	-3.1	10.7	4.1	-3.9
Jul	1.8	-6.5	4.1	1.1	0.6	-8.6	-3.4	-1.2	11.5	4.1	-5.1
Aug	2.2	-6.2	5.0	-1.3	0.6	-7.9	-2.5	1.0	11.7	3.7	-5.0
Sep	3.0	-2.1	5.5	-1.6	-1.0	-3.0	-3.5	1.6	11.7	4.2	-2.5
Oct	3.4	-1.1	5.6	0.5	-2.4	-1.8	-6.3	3.3	9.8	4.3	-1.0
Nov	3.0	-3.2	5.2	3.0	-2.7	-4.9	-9.3	2.5	8.8	5.0	-1.7
Dec	2.9	-5.8	4.9	6.4	-1.2	-7.9	-7.9	2.8	8.3	4.1	-1.8
2011 Jan	3.1	-5.2	5.1	3.8	1.9	-7.6	-3.6	1.3	9.4	4.8	-2.1
Feb	2.6	-7.2	5.0	0.4	5.4	-9.7	-0.2	1.1	9.9	4.1	-3.8
Mar	1.3	-11.0	4.5	-4.3	6.6	-14.0	1.7	0.3	10.1	3.6	-7.6
Apr	-0.4	-14.8	3.2	-6.2	5.9	-17.8	0.9	1.7	8.0	0.3	-10.2
May	-1.3	-18.3	2.8	-6.1	4.3	-21.4	1.6	2.7	6.5	-0.8	-12.2
Jun	-1.3	-18.4	2.9	-4.5	1.7	-21.6	3.5	3.4	6.2	-1.0	-11.8
Jul	-1.1	-18.7	2.9	-1.1	-0.4	-22.0	3.6	3.2	6.2	-0.4	-11.4
Aug	-1.0	-16.3	2.2	1.5	-1.1	-19.7	2.4	2.6	5.5	-0.8	-9.7
Sep	-1.3	-16.6	1.6	1.4	0.7	-20.2	-	1.9	5.2	-1.2	-10.2
Oct	-1.6 <sup>†</sup>	-15.3 <sup>†</sup>	0.9	-0.4 <sup>†</sup>	2.6 <sup>†</sup>	-18.8 <sup>†</sup>	-0.9 <sup>†</sup>	0.4	5.4 <sup>†</sup>	-1.9	-10.0 <sup>†</sup>
Nov	-2.2	-14.8	0.2	-4.3	3.5	-18.0	-0.3	-0.3	5.4	-3.0	-11.0

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

continued

Seasonally adjusted 2008 = 100

Section	Broad industry groups					Main industrial groupings						
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy	
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG	
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
<b>Percentage change, latest 3 months on previous 3 months</b>												
2009	Sep	-1.3	-5.7	-0.9	2.2	0.9	-6.9	-0.8	-3.2	0.7	0.4	-3.1
	Oct	-1.3	-7.2	-0.1	-0.8	0.7	-8.7	2.7	-2.9	2.7	0.6	-5.1
	Nov	-0.4	-4.5	0.9	-2.0	-0.1	-5.2	5.9	-0.8	4.2	-0.2	-3.6
	Dec	0.3	-1.3	1.2	-1.9	-0.6	-1.2	3.9	-0.7	4.6	0.2	-1.5
2010	Jan	0.7	-0.1	1.1	1.9	-1.8	0.3	-1.0	1.3	2.8	-0.5	0.4
	Feb	0.5	-1.3	0.6	4.5	-2.5	-1.9	-4.7	0.7	1.8	0.1	-0.2
	Mar	1.3	0.9	1.2	5.5	-2.7	0.4	-5.3	2.0	1.9	0.4	1.0
	Apr	2.0	2.5	2.1	2.6	-1.2	1.9	-2.6	0.2	3.4	3.2	0.9
	May	2.5	4.6	2.5	0.7	0.1	4.9	-1.3	0.1	4.2	3.5	2.1
	Jun	1.2	0.6	1.6	-1.2	1.9	0.3	-1.7	-1.1	3.1	3.0	-0.4
	Jul	0.4	-1.6	1.1	-2.5	2.9	-2.0	-2.5	0.2	2.1	0.8	-1.3
	Aug	-0.4	-4.9	0.9	-4.3	3.2	-5.6	-2.2	1.1	1.1	0.3	-3.3
	Sep	0.2	-2.3	1.3	-3.7	0.5	-2.5	-0.2	1.4	1.6	0.6	-1.6
	Oct	0.3	-1.8	1.3	-1.4	-2.2	-1.9	-0.3	1.6	1.2	0.8	-1.0
	Nov	0.4	-1.5	1.0	2.2	-3.3	-2.0	-1.6	0.6	1.5	1.0	-0.3
	Dec	0.2	-5.0	0.7	6.0	-0.8	-6.2	-0.8	0.6	1.4	-	-0.9
2011	Jan	0.4	-4.3	0.6	5.2	2.5	-5.7	1.8	-0.6	2.4	-	-0.7
	Feb	0.1	-5.3	0.4	1.9	5.6	-6.9	4.9	-0.7	2.8	-0.7	-2.3
	Mar	-0.3	-4.7	0.8	-5.1	5.0	-6.2	4.5	-0.5	3.6	-0.1	-4.9
	Apr	-1.5	-7.9	0.3	-7.3	2.7	-9.3	2.0	0.7	2.0	-1.3	-7.4
	May	-1.5	-7.8	0.4	-5.8	-0.9	-8.7	0.5	1.6	1.0	-1.3	-6.8
	Jun	-1.4	-7.7	-	-1.4	-2.8	-8.6	-	1.9	-0.6	-1.5	-4.8
	Jul	-0.3	-6.1	0.8	2.8	-3.3	-7.1	0.2	1.6	0.5	0.1	-2.5
	Aug	-	-2.6	0.3	3.5	-2.2	-3.5	-1.3	1.1	0.1	0.3	-0.6
	Sep	0.2	-0.2	0.1	2.2	-0.5	-0.8	-3.6	-0.1	0.7	0.4	0.2
	Oct	-0.3 <sup>†</sup>	2.2 <sup>†</sup>	-0.8 <sup>†</sup>	-0.7 <sup>†</sup>	0.8 <sup>†</sup>	2.1 <sup>†</sup>	-4.7 <sup>†</sup>	-1.2	0.4 <sup>†</sup>	-0.7 <sup>†</sup>	0.4 <sup>†</sup>
	Nov	-0.9	0.2	-0.9	-3.7	1.2	0.1	-4.2	-2.3	1.4	-1.2	-1.6

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

continued

Seasonally adjusted 2008 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239
2006	103.0	101.6	104.4	102.2	98.7	103.3
2007	102.4	99.8	104.0	101.5	100.6	98.9
2008	100.0	100.0	100.0	100.0	100.0	100.0
2009	98.4	90.3	93.1	94.0	86.3	106.0
2010	102.1	93.3	92.2	92.1	82.1	99.1
2010 Q3	101.9	96.3	90.6	94.5	81.3	102.3
Q4	106.2	94.1	89.2	94.9	80.5	95.8
2011 Q1	107.8	95.6	87.0	93.8	83.9	89.1
Q2	109.7	97.6	87.5	97.6	84.8	87.0
Q3	108.9	94.1	88.5	92.9	85.0	85.9
2010 Sep	103.0	93.3	88.1	93.9	82.2	103.6
Oct	103.5	94.8	89.7	97.5	80.4	102.9
Nov	107.3	93.8	88.5	95.3	81.5	94.1
Dec	107.9	93.7	89.3	91.8	79.6	90.5
2011 Jan	105.8	95.8	87.7	99.2	84.7	90.6
Feb	108.1	94.1	86.5	97.2	84.0	88.6
Mar	109.3	97.1	86.7	85.0	83.1	88.2
Apr	110.2	97.2	86.2	101.5	86.9	83.7
May	109.6	97.0	87.6	97.2	83.6	89.1
Jun	109.3	98.4	88.7	94.1	83.9	88.1
Jul	108.9	96.2	90.5	93.5	85.8	85.5
Aug	110.0	92.4	87.7	93.5	84.6	87.9
Sep	107.9	93.6	87.3	91.6	84.7	84.2
Oct	107.1 <sup>†</sup>	93.9 <sup>†</sup>	88.2 <sup>†</sup>	89.7 <sup>†</sup>	84.3 <sup>†</sup>	81.6 <sup>†</sup>
Nov	108.6	92.5	86.0	90.7	82.0	82.2

## Percentage change, latest year on previous year

2006	-0.9	0.5	-1.3	-5.8	1.3	5.3
2007	-0.6	-1.8	-0.4	-0.7	1.9	-4.3
2008	-2.3	0.2	-3.8	-1.5	-0.6	1.1
2009	-1.6	-9.7	-6.9	-6.0	-13.7	6.0
2010	3.7	3.3	-0.9	-2.0	-4.8	-6.6

## Percentage change, latest month on same month a year ago

2009 Sep	-1.4	-6.8	-7.3	-8.8	-15.9	4.3
Oct	-3.2	-7.3	-7.5	-12.7	-8.2	-8.2
Nov	-2.9	-10.8	-4.8	-6.5	-5.7	11.1
Dec	-1.3	-10.5	-3.8	-8.0	0.8	3.8
2010 Jan	0.9	-8.0	-3.5	-12.4	-3.0	-0.7
Feb	0.9	-1.6	1.7	-17.9	-0.8	-12.2
Mar	2.1	-1.0	0.8	-4.7	-4.7	-6.0
Apr	-2.0	1.2	-1.6	-0.3	-3.5	-14.1
May	1.0	6.1	-	-3.5	-4.4	-13.0
Jun	3.2	5.4	-1.9	-1.3	-7.2	-3.2
Jul	-0.4	14.2	-0.8	-0.3	-4.2	-4.3
Aug	6.3	6.1	-0.2	-1.1	-6.9	1.1
Sep	5.0	0.3	-4.5	2.1	-2.8	1.3
Oct	6.2	5.6	2.3	12.8	-7.3	1.2
Nov	10.1	7.2	-2.4	6.2	-5.1	-12.4
Dec	11.9	6.1	-1.3	1.1	-8.2	-14.0
2011 Jan	5.6	10.4	-4.2	13.9	1.0	-12.1
Feb	7.9	2.9	-9.4	9.1	-1.7	-7.3
Mar	8.3	6.4	-10.7	-8.7	-0.8	-13.1
Apr	13.1	6.3	-9.0	16.4	3.2	-15.9
May	9.5	2.8	-7.1	8.4	2.0	-7.2
Jun	7.3	5.3	-5.6	3.0	3.6	-11.1
Jul	9.7	-4.2	-2.2	-2.8	4.6	-14.6
Aug	6.3	-3.1	-3.6	0.1	6.3	-14.7
Sep	4.8	0.4	-0.9	-2.4	3.0	-18.8
Oct	3.5 <sup>†</sup>	-1.0 <sup>†</sup>	-1.8 <sup>†</sup>	-8.1 <sup>†</sup>	4.8 <sup>†</sup>	-20.7 <sup>†</sup>
Nov	1.3	-1.4	-2.9	-4.8	0.7	-12.7

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

continued

Seasonally adjusted 2008 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2006	104.9	102.0	106.0	100.1	98.4	98.1	101.7
2007	104.5	104.3	106.5	102.2	100.9	101.4	103.9
2008	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2009	86.3	80.5	94.1	77.8	79.4	88.9	93.7
2010	86.7	84.5	88.2	85.6	95.7	110.8	96.1
2010 Q3	88.0	86.4	87.7	89.0	98.1	112.1	96.5
Q4	86.0	87.5	85.7	89.4	103.2	117.6	95.7
2011 Q1	87.8	86.9	91.1	87.5	102.1	121.0	99.2
Q2	85.7	86.7	90.0	82.9	104.4	117.7	102.2
Q3	87.1	87.2	87.6	83.5	106.3	120.1	101.4
2010 Sep	88.1	87.0	85.9	88.6	99.4	115.1	94.7
Oct	88.3	86.8	86.2	88.8	102.2	115.3	94.5
Nov	88.5	87.6	84.7	89.2	104.9	119.5	94.9
Dec	81.3	88.1	86.3	90.0	102.5	117.9	97.7
2011 Jan	87.3	87.0	90.5	90.5	102.2	118.9	99.2
Feb	88.1	87.0	91.7	86.4	102.6	121.4	97.5
Mar	88.1	86.7	91.2	85.7	101.7	122.6	100.9
Apr	84.7	84.0	89.6	82.7	100.2	116.8	100.8
May	86.4	88.0	88.7	82.8	107.7	118.8	104.0
Jun	85.9	88.3	91.6	83.2	105.3	117.6	101.9
Jul	86.7	87.5	89.9	84.8	104.8	118.8	100.2
Aug	87.1	86.3	87.5	82.7	105.7	118.3	102.2
Sep	87.6	87.7	85.3	83.1	108.5	123.3	101.9
Oct	87.4 <sup>†</sup>	86.0 <sup>†</sup>	85.0 <sup>†</sup>	83.4 <sup>†</sup>	108.3 <sup>†</sup>	122.8	98.7 <sup>†</sup>
Nov	86.8	83.9	85.7	83.3	106.5	126.3	99.7
<b>Percentage change, latest year on previous year</b>							
2006	4.3	2.3	0.8	4.8	5.3	1.1	3.1
2007	-0.4	2.3	0.5	2.1	2.5	3.3	2.2
2008	-4.3	-4.1	-6.1	-2.2	-0.9	-1.4	-3.7
2009	-13.7	-19.5	-5.9	-22.2	-20.6	-11.1	-6.3
2010	0.6	4.9	-6.2	10.1	20.6	24.6	2.5
<b>Percentage change, latest month on same month a year ago</b>							
2009 Sep	-9.9	-20.9	-1.0	-23.1	-23.3	-4.6	-6.9
Oct	-9.7	-14.6	1.9	-23.6	-21.7	0.2	-2.5
Nov	-8.0	-10.7	3.4	-19.6	-16.9	7.6	0.5
Dec	-4.3	-6.1	-0.2	-17.7	-12.0	9.4	6.1
2010 Jan	-5.4	-3.9	-4.2	-8.1	-0.3	22.2	1.7
Feb	0.9	-2.2	-0.8	-2.9	4.0	24.2	2.7
Mar	5.8	0.8	-0.9	5.9	11.8	26.6	3.2
Apr	5.3	6.1	-4.1	2.0	16.1	27.0	2.5
May	1.8	2.9	-1.3	12.5	23.3	28.7	2.8
Jun	1.3	5.7	-9.6	10.2	21.5	26.4	4.8
Jul	0.5	9.5	-3.5	18.3	27.4	19.7	9.2
Aug	-	7.6	-1.2	20.1	24.4	25.1	3.7
Sep	0.4	9.4	-12.0	15.7	31.9	24.5	1.7
Oct	1.3	5.8	-11.9	18.8	32.1	23.5	-1.1
Nov	1.9	8.5	-13.5	16.9	32.1	26.0	-0.9
Dec	-6.6	9.5	-10.2	14.8	26.1	21.5	0.4
2011 Jan	6.7	9.2	1.1	23.5	20.8	18.0	4.8
Feb	4.0	9.1	-0.2	9.9	18.6	19.0	1.4
Mar	0.3	6.3	0.1	3.1	11.0	14.6	3.9
Apr	-6.1	0.3	-1.0	-1.4	8.0	7.2	6.3
May	-0.7	6.1	-1.9	-6.0	14.4	7.8	6.8
Jun	-1.6	4.8	7.6	-2.9	10.6	6.0	5.6
Jul	-1.0	0.3	2.2	-4.6	8.1	9.7	2.0
Aug	-1.3	1.5	-1.9	-7.7	7.9	4.6	6.0
Sep	-0.6	0.8	-0.7	-6.2	9.2	7.1	7.6
Oct	-0.9 <sup>†</sup>	-0.9 <sup>†</sup>	-1.4 <sup>†</sup>	-6.0 <sup>†</sup>	6.0 <sup>†</sup>	6.5 <sup>†</sup>	4.4 <sup>†</sup>
Nov	-2.0	-4.2	1.1	-6.7	1.5	5.7	5.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

continued

Seasonally adjusted 2008 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239
<b>Percentage change, latest month on previous month</b>						
2009 Sep	0.8	3.4	1.3	-2.6	-1.1	0.2
Oct	-0.6	-3.4	-5.0	-6.0	2.5	-0.5
Nov	-0.1	-2.5	3.4	3.8	-1.0	5.6
Dec	-1.0	0.9	-0.2	1.3	1.0	-2.0
2010 Jan	3.9	-1.8	1.2	-4.2	-3.3	-2.0
Feb	-	5.5	4.3	2.4	1.9	-7.3
Mar	0.7	-0.3	1.7	4.5	-1.9	6.2
Apr	-3.5	0.3	-2.4	-6.4	0.4	-1.9
May	2.7	3.2	-0.4	2.9	-2.7	-3.7
Jun	1.8	-1.0	-0.4	1.9	-1.2	3.4
Jul	-2.5	7.4	-1.5	5.2	1.4	0.9
Aug	4.1	-4.9	-1.7	-2.9	-3.0	3.1
Sep	-0.5	-2.2	-3.2	0.6	3.3	0.5
Oct	0.5	1.6	1.8	3.8	-2.2	-0.6
Nov	3.6	-1.0	-1.4	-2.3	1.4	-8.6
Dec	0.6	-0.1	0.9	-3.6	-2.3	-3.9
2011 Jan	-1.9	2.2	-1.8	8.0	6.3	0.2
Feb	2.2	-1.7	-1.4	-2.0	-0.8	-2.2
Mar	1.1	3.1	0.2	-12.5	-1.0	-0.4
Apr	0.8	0.2	-0.6	19.3	4.5	-5.1
May	-0.5	-0.2	1.7	-4.3	-3.8	6.4
Jun	-0.3	1.3	1.2	-3.2	0.4	-1.1
Jul	-0.3	-2.2	2.1	-0.6	2.3	-3.0
Aug	1.0	-3.9	-3.1	-	-1.5	2.8
Sep	-1.9	1.3	-0.5	-2.0	0.1	-4.3
Oct	-0.7 <sup>†</sup>	0.2	1.0 <sup>†</sup>	-2.1 <sup>†</sup>	-0.5 <sup>†</sup>	-3.0 <sup>†</sup>
Nov	1.4	-1.5	-2.5	1.1	-2.7	0.7
<b>Percentage change, latest 3 months on same 3 months a year ago</b>						
2009 Sep	-1.0	-10.1	-7.5	-5.7	-16.6	2.7
Oct	-2.4	-7.8	-8.5	-8.5	-14.2	-0.8
Nov	-2.5	-8.3	-6.5	-9.3	-10.1	1.9
Dec	-2.5	-9.5	-5.4	-9.1	-4.5	1.8
2010 Jan	-1.1	-9.8	-4.0	-9.0	-2.7	4.6
Feb	0.2	-6.8	-1.9	-12.9	-1.0	-3.2
Mar	1.3	-3.6	-0.3	-11.9	-2.9	-6.4
Apr	0.4	-0.5	0.3	-8.3	-3.0	-10.8
May	0.4	2.1	-0.3	-2.9	-4.2	-11.1
Jun	0.8	4.2	-1.2	-1.7	-5.1	-10.3
Jul	1.3	8.5	-0.9	-1.7	-5.3	-7.0
Aug	3.0	8.5	-0.9	-0.9	-6.1	-2.2
Sep	3.6	6.7	-1.8	0.2	-4.6	-0.7
Oct	5.8	3.9	-0.8	4.4	-5.7	1.2
Nov	7.1	4.3	-1.6	6.9	-5.0	-3.5
Dec	9.4	6.3	-0.5	6.6	-6.8	-8.6
2011 Jan	9.1	7.9	-2.6	7.0	-4.1	-12.9
Feb	8.4	6.4	-5.0	7.9	-3.0	-11.3
Mar	7.2	6.5	-8.1	4.5	-0.5	-10.9
Apr	9.7	5.2	-9.7	5.3	0.2	-12.2
May	10.2	5.2	-8.9	5.1	1.4	-12.1
Jun	9.9	4.8	-7.3	9.2	2.9	-11.5
Jul	8.8	1.2	-5.0	2.7	3.4	-11.0
Aug	7.7	-0.8	-3.8	0.1	4.8	-13.5
Sep	6.9	-2.3	-2.3	-1.7	4.6	-16.0
Oct	4.8	-1.2 <sup>†</sup>	-2.1	-3.5 <sup>†</sup>	4.7 <sup>†</sup>	-18.1 <sup>†</sup>
Nov	3.1	-0.7	-1.9	-5.1	2.8	-17.5

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2008 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest month on previous month</b>							
2009 Sep	-0.4	0.6	8.1	2.7	-4.4	2.3	0.1
Oct	-0.7	3.1	0.3	-2.4	2.7	1.0	2.7
Nov	-0.3	-1.5	-	2.1	2.6	1.6	0.1
Dec	0.1	-0.3	-1.9	2.8	2.3	2.3	1.7
2010 Jan	-5.9	-1.0	-6.8	-6.6	4.1	3.9	-2.8
Feb	3.6	0.1	2.6	7.3	2.3	1.2	1.6
Mar	3.7	2.3	-0.8	5.7	5.9	4.9	1.0
Apr	2.7	2.7	-0.7	1.0	1.3	1.8	-2.3
May	-3.6	-1.0	-0.1	4.8	1.5	1.2	2.6
Jun	0.4	1.5	-5.8	-2.6	1.1	0.6	-0.9
Jul	0.4	3.6	3.4	3.7	1.9	-2.4	1.8
Aug	0.6	-2.5	1.3	0.9	1.0	4.5	-1.8
Sep	-	2.2	-3.7	-1.1	1.4	1.8	-1.8
Oct	0.2	-0.2	0.4	0.2	2.9	0.1	-0.2
Nov	0.3	0.9	-1.7	0.5	2.6	3.7	0.4
Dec	-8.2	0.6	1.8	0.9	-2.3	-1.3	3.0
2011 Jan	7.4	-1.3	4.9	0.5	-0.3	0.9	1.5
Feb	1.0	-	1.3	-4.5	0.4	2.0	-1.7
Mar	-	-0.3	-0.5	-0.8	-0.8	1.0	3.5
Apr	-3.9	-3.2	-1.8	-3.4	-1.4	-4.8	-0.1
May	2.0	4.7	-1.0	-	7.5	1.8	3.1
Jun	-0.5	0.3	3.2	0.5	-2.3	-1.0	-2.0
Jul	1.0	-0.8	-1.8	1.9	-0.5	1.0	-1.7
Aug	0.4	-1.3	-2.7	-2.4	0.9	-0.4	2.0
Sep	0.6	1.5	-2.5	0.5	2.6	4.2	-0.3
Oct	-0.2 †	-1.9 †	-0.3 †	0.4 †	-0.2 †	-0.4	-3.2 †
Nov	-0.8	-2.4	0.8	-0.2	-1.7	2.9	1.1
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2009 Sep	-10.9	-21.5	-6.4	-24.9	-23.2	-7.2	-8.2
Oct	-10.0	-19.2	-3.6	-24.3	-22.2	-4.0	-5.3
Nov	-9.2	-15.6	1.4	-22.1	-20.7	0.9	-3.0
Dec	-7.4	-10.7	1.7	-20.3	-17.0	5.7	1.3
2010 Jan	-5.9	-7.0	-0.3	-15.5	-10.1	12.9	2.8
Feb	-3.0	-4.1	-1.7	-10.0	-3.1	18.4	3.5
Mar	0.4	-1.8	-2.0	-1.7	5.1	24.4	2.5
Apr	4.0	1.5	-1.9	1.6	10.5	26.0	2.8
May	4.3	3.2	-2.1	6.7	16.9	27.5	2.8
Jun	2.8	4.9	-5.0	8.1	20.2	27.4	3.4
Jul	1.2	6.0	-4.8	13.6	24.0	24.9	5.5
Aug	0.6	7.6	-4.8	16.1	24.4	23.7	5.9
Sep	0.3	8.8	-5.7	18.0	27.8	23.1	4.8
Oct	0.6	7.6	-8.6	18.2	29.4	24.3	1.4
Nov	1.2	7.9	-12.5	17.1	32.0	24.7	-0.1
Dec	-1.1	7.9	-11.9	16.8	30.0	23.7	-0.5
2011 Jan	0.5	9.1	-7.8	18.3	26.2	21.8	1.4
Feb	1.2	9.3	-3.2	15.9	21.7	19.5	2.2
Mar	3.6	8.2	0.3	11.7	16.7	17.1	3.4
Apr	-0.7	5.2	-0.4	3.7	12.4	13.5	3.8
May	-2.2	4.2	-0.9	-1.5	11.2	9.8	5.7
Jun	-2.8	3.7	1.4	-3.5	11.0	7.0	6.3
Jul	-1.1	3.7	2.5	-4.5	11.0	7.8	4.8
Aug	-1.3	2.2	2.5	-5.1	8.9	6.8	4.5
Sep	-1.0	0.9	-0.2	-6.1	8.4	7.1	5.2
Oct	-0.9 †	0.5 †	-1.3 †	-6.6 †	7.7 †	6.1	6.0 †
Nov	-1.2	-1.4	-0.3	-6.3	5.5	6.4	5.7

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

continued

Seasonally adjusted 2008 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239
<b>Percentage change, latest 3 months on previous 3 months</b>						
2009 Sep	-0.7	1.1	-3.4	3.6	-1.7	-6.0
Oct	-1.6	2.7	-4.3	-3.3	-0.7	-3.6
Nov	-0.9	1.5	-3.4	-5.4	-0.5	0.8
Dec	-1.3	-1.9	-2.8	-5.6	1.3	1.8
2010 Jan	0.4	-3.7	0.6	-1.9	-0.1	3.2
Feb	1.3	-1.4	2.5	-0.4	-0.4	-2.4
Mar	3.4	1.4	5.7	0.9	-2.3	-4.5
Apr	1.6	4.4	5.3	0.7	-1.1	-6.1
May	0.5	4.0	3.1	1.1	-2.4	-2.3
Jun	-0.7	3.6	-0.3	-0.4	-2.4	-1.8
Jul	0.9	5.1	-2.2	2.9	-3.4	-0.5
Aug	2.1	4.4	-3.0	4.1	-2.9	1.8
Sep	2.1	3.5	-4.0	5.7	-1.3	4.1
Oct	2.9	-1.6	-4.3	2.8	-1.1	4.9
Nov	3.0	-2.5	-4.0	2.1	0.6	-0.6
Dec	4.2	-2.3	-1.5	0.4	-1.0	-6.3
2011 Jan	3.6	-	-1.2	0.5	1.5	-11.1
Feb	2.6	0.6	-1.1	0.5	1.7	-10.3
Mar	1.4	1.6	-2.5	-1.1	4.3	-7.0
Apr	2.1	1.8	-2.3	-0.9	3.3	-5.3
May	2.2	2.7	-1.1	-1.6	2.1	-3.2
Jun	1.8	2.0	0.6	4.0	1.0	-2.4
Jul	0.1	1.1	2.9	0.4	-0.3	0.8
Aug	-0.3	-1.5	2.4	-0.9	0.3	0.2
Sep	-0.7	-3.6	1.1	-4.8	0.3	-1.3
Oct	-0.9	-4.0	-1.4 <sup>†</sup>	-3.5 <sup>†</sup>	0.1 <sup>†</sup>	-3.4 <sup>†</sup>
Nov	-1.4	-2.4	-2.0	-3.2	-1.3	-5.2

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the production industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2008 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
<b>Percentage change, latest 3 months on previous 3 months</b>							
2009							
Sep	2.3	-0.4	-0.4	-5.0	-1.9	5.5	-1.1
Oct	1.6	0.3	3.2	-2.2	0.3	4.7	1.8
Nov	0.1	1.6	6.4	0.1	-0.5	4.5	3.5
Dec	-0.8	2.1	4.6	1.4	3.4	4.4	4.6
2010							
Jan	-2.8	0.1	-0.8	0.9	5.9	6.0	2.1
Feb	-3.2	-1.0	-5.5	1.2	8.7	6.8	1.3
Mar	-2.5	-0.9	-6.6	2.4	10.3	8.6	-0.3
Apr	2.8	1.7	-3.5	7.7	10.5	8.6	0.1
May	4.5	3.5	-1.9	10.7	10.4	8.8	0.4
Jun	4.0	4.1	-2.4	9.6	7.4	6.5	0.3
Jul	-0.3	3.8	-3.6	6.9	5.7	3.6	1.3
Aug	-0.7	3.3	-3.6	3.6	4.2	1.9	0.7
Sep	-0.2	3.4	-1.1	3.7	4.3	1.9	0.3
Oct	1.0	1.7	-0.9	1.7	4.6	4.3	-2.1
Nov	0.7	1.9	-2.1	1.0	5.6	5.3	-2.4
Dec	-2.2	1.2	-2.2	0.4	5.2	4.8	-0.8
2011							
Jan	-2.8	1.5	0.1	1.0	3.3	3.8	2.1
Feb	-3.1	0.3	4.5	0.1	0.2	2.4	3.6
Mar	2.1	-0.7	6.3	-2.1	-1.0	2.9	3.6
Apr	1.5	-1.9	4.2	-5.5	-1.6	1.2	2.5
May	1.0	-1.3	0.4	-5.9	0.8	-	3.8
Jun	-2.5	-0.2	-1.3	-5.3	2.2	-2.7	3.1
Jul	-0.8	2.3	-0.8	-1.6	4.4	-1.5	2.3
Aug	0.2	1.3	-0.2	-0.2	2.0	-1.0	-0.4
Sep	1.7	0.5	-2.7	0.8	1.8	2.0	-0.8
Oct	1.2 <sup>†</sup>	-1.4 <sup>†</sup>	-4.6	-0.5 <sup>†</sup>	1.5 <sup>†</sup>	2.6	-1.0 <sup>†</sup>
Nov	0.8	-1.7 <sup>†</sup>	-4.8	-0.3	2.3	5.0	-1.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



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Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2006	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-	-
2010 Q3	-	-	-	-	-	-	-	-	-	-	-
2010 Q4	-	-	-	-	-	-	-	-	-	-	-
2011 Q1	-	-	-	-	-	-	-	-	-	-	-
2011 Q2	-	-	-	-	-	-	-	-	-	-	-
2011 Q3	-	-	-	-	-	-	-	-	-	-	-
2010 Aug	-	-	-	-	-	-	-	-	-	-	-
2010 Sep	-	-	-	-	-	-	-	-	-	-	-
2010 Oct	-	-	-	-	-	-	-	-	-	-	-
2010 Nov	-	-	-	-	-	-	-	-	-	-	-
2010 Dec	-	-	-	-	-	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-	-	-	-	-	-
2011 Feb	-	-	-	-	-	-	-	-	-	-	-
2011 Mar	-	-	-	-	-	-	-	-	-	-	-
2011 Apr	-	-	-	-	-	-	-	-	-	-	-
2011 May	-	-	-	-	-	-	-	-	-	-	-
2011 Jun	-	-	-	-	-	-	-	-	-	-	-
2011 Jul	-	-	-	-	-	-	-	-	-	-	-
2011 Aug	-	-	-	-	-	-	-	-	-	-	-
2011 Sep	-	-	-	-	-	-	-	-	-	-	-
2011 Oct	-0.3	-1.2	-0.2	0.4	-0.4	-1.3	0.1	0.1	-0.8	0.1	-0.7

### Percentage change, latest year on previous year

2006	-	-	-	-	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	-	-	-

### Percentage change, latest month on same month a year ago

2009 Aug	-	-	-	-	-	-	-	-	-	-	-
2009 Sep	-	-	-	-	-	-	-	-	-	-	-
2009 Oct	-	-	-	-	-	-	-	-	-	-	-
2009 Nov	-	-	-	-	-	-	-	-	-	-	-
2009 Dec	-	-	-	-	-	-	-	-	-	-	-
2010 Jan	-	-	-	-	-	-	-	-	-	-	-
2010 Feb	-	-	-	-	-	-	-	-	-	-	-
2010 Mar	-	-	-	-	-	-	-	-	-	-	-
2010 Apr	-	-	-	-	-	-	-	-	-	-	-
2010 May	-	-	-	-	-	-	-	-	-	-	-
2010 Jun	-	-	-	-	-	-	-	-	-	-	-
2010 Jul	-	-	-	-	-	-	-	-	-	-	-
2010 Aug	-	-	-	-	-	-	-	-	-	-	-
2010 Sep	-	-	-	-	-	-	-	-	-	-	-
2010 Oct	-	-	-	-	-	-	-	-	-	-	-
2010 Nov	-	-	-	-	-	-	-	-	-	-	-
2010 Dec	-	-	-	-	-	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-	-	-	-	-	-
2011 Feb	-	-	-	-	-	-	-	-	-	-	-
2011 Mar	-	-	-	-	-	-	-	-	-	-	-
2011 Apr	-	-	-	-	-	-	-	-	-	-	-
2011 May	-	-	-	-	-	-	-	-	-	-	-
2011 Jun	-	-	-	-	-	-	-	-	-	-	-
2011 Jul	-	-	-	-	-	-	-	-	-	-	-
2011 Aug	-	-	-	-	-	-	-	-	-	-	-
2011 Sep	-	-	-	-	-	-	-	-	-	-	-
2011 Oct	-0.4	-1.4	-0.2	0.4	-0.3	-1.7	-	0.1	-0.8	0.1	-0.7

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>											
2009	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-0.3	-1.6	-0.2	0.5	-0.3	-2.0	-	-0.7	-	-0.9
<b>Percentage change, latest 3 months on same 3 months a year ago</b>											
2009	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-	-	-	-
	Oct	-0.1	-0.4	-	0.1	-0.1	-0.5	0.1	-0.2	-	-0.2

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MG-NRG
Latest weight	1 000.0	164.3	665.7	93.2	76.8	140.5	64.6	204.8	192.3	270.9	261.0
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months</b>											
2009											
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2010											
Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-	-	-
2011											
Jan	-	-	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-	-	-
Oct	-0.1	-0.6	-0.1	0.1	-0.1	-0.7	0.1	-	-0.2	0.1	-0.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239
2006	-	-	-	-	-	-
2007	-	-	-	-	-	-
2008	-	-	-	-	-	-
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-
2010 Q3	-	-	-	-	-	-
Q4	-	-	-	-	-	-
2011 Q1	-	-	-	-	-	-
Q2	-	-	-	-	-	-
Q3	-	-	-	-	-	-
2010 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.2	0.1	-	-4.0	0.3	-0.3

#### Percentage change, latest year on previous year

2006	-	-	-	-	-	-
2007	-	-	-	-	-	-
2008	-	-	-	-	-	-
2009	-	-	-	-	-	-
2010	-	-	-	-	-	-

#### Percentage change, latest month on same month a year ago

2009 Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2010 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	0.2	0.1	-0.1	-4.1	0.3	-0.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2006	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-
2010 Q3	-	-	-	-	-	-	-
Q4	-	-	-	-	-	-	-
2011 Q1	-	-	-	-	-	-	-
Q2	-	-	-	-	-	-	-
Q3	-	-	-	-	-	-	-
2010 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	0.2	0.1	0.1	-0.7	-2.9	-	-0.3

**Percentage change, latest year on previous year**

2006	-	-	-	-	-	-	-
2007	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-

**Percentage change, latest month on same month a year ago**

2009 Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2010 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-
2011 Jan	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-
Oct	0.3	0.2	0.1	-0.6	-2.8	-0.1	-0.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239

### Percentage change, latest month on previous month

2009	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2010	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2011	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	0.2	-	-0.1	-4.3	0.3	-0.3

### Percentage change, latest 3 months on same 3 months a year ago

2009	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2010	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	-	-	-	-	
	Nov	-	-	-	-	-	
	Dec	-	-	-	-	-	
2011	Jan	-	-	-	-	-	
	Feb	-	-	-	-	-	
	Mar	-	-	-	-	-	
	Apr	-	-	-	-	-	
	May	-	-	-	-	-	
	Jun	-	-	-	-	-	
	Jul	-	-	-	-	-	
	Aug	-	-	-	-	-	
	Sep	-	-	-	-	-	
	Oct	-	0.1	-	-1.4	0.1	-0.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

## Output of the production industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2008 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

### Percentage change, latest month on previous month

2009	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	0.3	0.2	0.1	-0.7	-2.7	-	-0.3

### Percentage change, latest 3 months on same 3 months a year ago

2009	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	0.1	0.1	0.1	-0.2	-0.9	-	-0.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.0	21.4	59.1	4.3	55.1	48.7
	K22B	K22P	K22T	K22X	K22Z	K239

**Percentage change, latest 3 months on previous 3 months**

2009	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-	-	-	-
	Nov	-	-	-	-	-	-
	Dec	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-
	Feb	-	-	-	-	-	-
	Mar	-	-	-	-	-	-
	Apr	-	-	-	-	-	-
	May	-	-	-	-	-	-
	Jun	-	-	-	-	-	-
	Jul	-	-	-	-	-	-
	Aug	-	-	-	-	-	-
	Sep	-	-	-	-	-	-
	Oct	-	-	-0.1	-1.4	0.1	-0.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Compter, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	49.8	93.2	49.0	22.2	43.8	58.1	49.1
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

**Percentage change, latest 3 months on previous 3 months**

2009	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2010	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	-	-	-	-	-	-	-
	Nov	-	-	-	-	-	-	-
	Dec	-	-	-	-	-	-	-
2011	Jan	-	-	-	-	-	-	-
	Feb	-	-	-	-	-	-	-
	Mar	-	-	-	-	-	-	-
	Apr	-	-	-	-	-	-	-
	May	-	-	-	-	-	-	-
	Jun	-	-	-	-	-	-	-
	Jul	-	-	-	-	-	-	-
	Aug	-	-	-	-	-	-	-
	Sep	-	-	-	-	-	-	-
	Oct	0.1	0.1	-	-0.2	-0.9	-	-0.1

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



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**Summary Statistics for Index of Production November 2011:  
Seasonally Adjusted**

<b>Indicator and publication category</b>	<b>Latest Period %</b>	<b>Record Since</b>		<b>No of consecutive movements</b>
<b>Most recent month on a year earlier</b>				
Index of Production	-3.1	Previous fall	2011 Oct	-2.1
		Previous rise	2011 Feb	1.4
		Equal	2002 Jan	-3.1
		Weaker	2009 Dec	-3.2
		Stronger	2011 Oct	-2.1
<b>Most recent three months on a year earlier</b>				
Index of Production	-2.2	Previous fall	2011 Oct	-1.6
		Previous rise	2011 Mar	1.3
		Equal	1991 Dec	-2.2
		Weaker	2010 Jan	-3.1
		Stronger	2011 Oct	-1.6
<b>Most recent month on a previous month</b>				
Index of Production	-0.6	Previous fall	2011 Oct	-1.0
		Previous rise	2011 Aug	0.3
		Equal	2006 Jul	-0.6
		Weaker	2011 Oct	-1.0
		Stronger	2011 Sep	0.0
<b>Most recent three months on a previous three months</b>				
Index of Production	-0.9	Previous fall	2011 Oct	-0.3
		Previous rise	2011 Sep	0.2
		Equal	2003 Jan	-0.9
		Weaker	2011 Jun	-1.4
		Stronger	2011 Oct	-0.3

**Summary Statistics for Index of Manufacturing November 2011:  
Seasonally Adjusted**

<b>Indicator and publication category</b>	<b>Latest Period %</b>	<b>Record Since</b>		<b>No of consecutive movements</b>
<b>Most recent month on a year earlier</b>				
Index of Manufacturing	-0.6	Previous fall	2010 Jan	%
		Previous rise	2011 Oct	-0.4
		Equal	1999 Jan	0.1
		Weaker	2009 Dec	-0.6
		Stronger	2011 Oct	-1.8
				0.1
<b>Most recent three months on a year earlier</b>				
Index of Manufacturing	0.2	Previous fall	2010 Feb	%
		Previous rise	2011 Oct	-0.4
		Equal	2008 Jan	0.9
		Weaker	2010 Feb	0.2
		Stronger	2011 Oct	-0.4
				0.9
<b>Most recent month on a previous month</b>				
Index of Manufacturing	-0.2	Previous fall	2011 Oct	%
		Previous rise	2011 Sep	-0.9
		Equal	2011 Jul	0.1
		Weaker	2011 Oct	-0.2
		Stronger	2011 Sep	-0.9
				0.1
<b>Most recent three months on a previous three months</b>				
Index of Manufacturing	-0.9	Previous fall	2011 Oct	%
		Previous rise	2011 Sep	-0.8
		Equal	2009 Sep	0.1
		Weaker	2009 Aug	-0.9
		Stronger	2011 Oct	-1.1
				-0.8