

Statistical bulletin

# Index of Production, UK: December 2023

Movements in the volume of production for UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.



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## Table of contents

1. [Main points](#)
2. [Index of Production \(IoP\) data](#)
3. [Measuring the data](#)
4. [Related links](#)
5. [Cite this statistical bulletin](#)

# 1 . Main points

- Production output growth in Quarter 4 (Oct to Dec) 2023 was estimated to have fallen by 1.0% when compared with Quarter 3 (July to Sept) 2023; this follows a rise of 0.1% in Quarter 3 2023.
- At the sector level, in Quarter 4 2023 there were falls in "manufacturing" (0.9%), "electricity and gas" (2.6%) and "mining and quarrying" (3.0%); this was partially offset by a rise in "water supply and sewerage" (0.5%).
- Monthly production output was estimated to have risen by 0.6% in December 2023; this follows an upwardly revised increase of 0.5% in November 2023 (revised up by 0.2 percentage points) and a downwardly revised decrease of 1.4% in October 2023 (revised down 0.1 percentage points).
- The monthly increase in output for December 2023 resulted from a rise in two of the four production sectors, with "manufacturing" being the main contributor to the monthly rise (0.8%) and a smaller positive contribution from "electricity and gas" (1.1%); this was partially offset by falls in "mining and quarrying" (1.8%) and "water supply and sewerage" (0.4%).
- Monthly manufacturing output rose by 0.8% and saw increases in 9 of its 13 sub-sectors, during December 2023.
- The largest contributing manufacturing sub-sectors to the monthly rise in December 2023 were "manufacture of transport equipment" and "manufacture of basic pharmaceutical products pharmaceutical preparations", which increased by 2.3% and 3.0%, respectively.
- Production output growth in 2023 was estimated to have fallen by 0.3%; this follows a decrease of 3.4% in 2022.
- Further analysis of the effect on our monthly Index of Production (IoP) estimate is available in our [Gross domestic product \(GDP\) monthly estimate, UK: December 2023 bulletin](#), published 15 February 2024.

## 2 . Index of Production (IoP) data

### [Index of Production time series](#)

Dataset DIOP | Released 15 February 2024

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management. Figures are seasonally adjusted.

### [Output of the production industries](#)

Dataset | Released 15 February 2024

Index values and growth rates for production, manufacturing and the main industrial groupings in the UK.

### [Index of Production and industry sectors to four decimal places](#)

Dataset | Released 15 February 2024

Monthly index values for production and the main Index of Production sectors in the UK to four decimal places.

### [Monthly Business Survey turnover in production industries](#)

Dataset | Released 15 February 2024

Monthly Business Survey production industries' total turnover, domestic sales and exports in the UK. Figures are in current price and are non-seasonally adjusted.

### [Export proportions for manufacturing industries](#)

Dataset | Released 15 February 2024

Monthly, quarterly and annual export data for the manufacturing industries, collected by the Monthly Business Survey at industry level in the UK.

All data related to the IoP are available on our [Related data page](#).

## 3 . Measuring the data

The Index of Production (IoP) uses data from a variety of sources. It is calculated by taking turnover and removing the impact of price changes, or by using direct volume estimates.

Most of these data are collected as “turnover values” through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Energy Security and Net Zero (DESNZ), and the International Steel Statistics Bureau (ISSB) for steel industries.

The Office for National Statistics’ (ONS) Monthly Business Survey (MBS) is fully online. Business owners can log on from any location and submit their data at an appropriate time. Most other data in the IoP come from the DESNZ, and therefore will be less affected than the survey data.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small and medium-sized businesses. For more information, see our [VAT turnover data in National Accounts: background and methodology article](#).

A comprehensive list of the IoP source data can be found in our [Gross domestic product \(GDP\) data sources catalogue \(XLS, 1.9MB\)](#).

### Response rates for December 2023

For December 2023, the response rates were 72.1% based on forms returned and this accounted for 79.7% of total turnover coverage of the sample population. Historical information can be found in our [IoP response rates](#).

### Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our [UK Index of Production Quality and Methodology Information \(QMI\)](#).

## Revisions to IoP

In line with the [National Accounts Revision Policy](#), this release gives data for December 2023 for the first time, with January 2023 to November 2023 also open for revision.

## Office for Statistics Regulation review of GDP

The [Office for Statistics Regulation \(OSR\) completed a review](#) of the practices around the preparation and release of information about revisions to estimates of GDP in our [Impact of Blue Book 2023 article](#) released on 1 September 2023. This covers the following:

- processes and quality assurance in making revisions to GDP
- potential improvements to early estimates of GDP enabled through enhanced access to data
- communication of revisions to GDP, the story behind the most recent set of revisions in particular and uncertainty in early estimates of GDP

We published a [response to the OSR review into GDP](#) in January 2024, which was [positively received by the OSR](#).

## 4 . Related links

### [GDP monthly estimate, UK: December 2023](#)

Bulletin | Released 15 February 2024

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of, and growth in, the economy.

### [Index of Services, UK: December 2023](#)

Bulletin | Released 15 February 2024

Movements in the volume of output for the UK services industries. Figures are seasonally adjusted.

### [Producer price inflation, UK: January 2024](#)

Bulletin | Released 14 February 2024

Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).

### [UK manufacturers' sales by product: 2022 results](#)

Bulletin | Released 24 July 2023

Estimates for UK manufacturers' sales by product (ProdCom) for 2022.

### [Energy Trends and Prices: monthly data](#)

Web page | Last updated 7 February 2024

Provides statistics on energy prices and monthly production, trade and consumption of coal, electricity, gas, oil and total energy in the UK.

## 5 . Cite this statistical bulletin

Office for National Statistics (ONS), released 15 February 2024, ONS website, statistical bulletin, [Index of Production, UK: December 2023](#)



- [Page 1](#) Output by Broad industry groups and Main industrial groupings  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 2](#) Percentage change, latest month on previous month  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 3](#) Percentage change, latest 3 months on previous 3 months
- [Page 4](#) Output by Manufacturing sub-sectors part 1  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 5](#) Output by Manufacturing sub-sectors part 2  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 6](#) Percentage change, latest month on previous month part 1  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 7](#) Percentage change, latest month on previous month part 2  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 8](#) Percentage change, latest 3 months on previous 3 months part 1
- [Page 9](#) Percentage change, latest 3 months on previous 3 months part 2
- [Enquiries](#)

# IOP5 Output of the Production Industries

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

Seasonally adjusted 2019 = 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	MIG-NRG
Latest weight	1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	102.3	100.1	102.2	105.0	101.6	100.5	101.1	104.7	101.7	102.2	101.7
2021	98.3	76.7	103.8	71.3	106.0	73.5	106.6	113.1	103.3	97.5	77.0
2022	95.0	75.9	100.4	63.4	106.4	72.1	107.3	113.1	97.5	93.3	72.7
2023	94.6	65.0	101.7	62.2	103.6	61.1	108.0	115.6	103.7	88.6	68.0
2022 Q4	94.1	71.9	99.9	62.5	105.2	68.5	107.0	115.1	98.0	90.1	70.1
2023 Q1	94.2 <sup>†</sup>	66.0 <sup>†</sup>	100.5 <sup>†</sup>	63.4 <sup>†</sup>	105.5 <sup>†</sup>	61.7 <sup>†</sup>	109.1	114.0 <sup>†</sup>	100.5 <sup>†</sup>	89.7 <sup>†</sup>	68.7 <sup>†</sup>
Q2	95.0	65.4	102.2	61.7	103.8	61.5	109.9	115.0	104.7	89.4	68.1
Q3	95.2	65.4	102.4	62.7	102.3	61.7	107.0	116.4	105.4	88.7	68.2
Q4	94.2	63.4	101.5	61.1	102.8	59.5	105.9	116.8	104.4	86.7	66.9
2022 Oct	94.2	72.5	100.2	61.9	104.1	68.8	106.2	117.1	96.5	90.8	70.0
Nov	94.0	74.5	99.6	61.9	105.8	71.6	107.5	113.8	98.0	90.1	70.5
Dec	94.1	68.8	100.0	63.8	105.6	65.2	107.3	114.4	99.5	89.3	69.6
2023 Jan	94.0	64.7 <sup>†</sup>	100.3 <sup>†</sup>	63.4 <sup>†</sup>	105.8	60.1 <sup>†</sup>	106.7	114.3 <sup>†</sup>	99.1 <sup>†</sup>	90.6 <sup>†</sup>	68.2 <sup>†</sup>
Feb	93.9	67.7	100.3	62.4	104.2	63.2	109.5 <sup>†</sup>	113.0	100.6	89.9	68.5
Mar	94.6	65.6	100.9	64.5	106.6	61.9	111.1	114.6	101.8	88.5	69.5
Apr	94.8 <sup>†</sup>	65.6	101.5	63.3	104.6	61.7	107.5	113.2	104.1	89.0	69.0
May	93.9	65.8	101.0	60.2	102.7	62.0	110.0	113.5	103.3	88.3	67.5
Jun	96.4	64.9	104.2	61.5	104.1	60.7	112.1	118.1	106.7	90.8	67.7
Jul	95.4	64.8	102.9	61.8	102.9	61.0	108.2	116.9	105.9	89.1	67.6
Aug	95.1	66.7	102.4	62.2	101.3	63.2	105.3	115.9	105.1	89.1	68.3
Sep	95.0	64.7	102.0	64.0	102.6	61.0	107.6	116.4	105.1	87.8	68.7
Oct	93.7	63.6	100.7	60.9	103.6	59.3	106.1	114.7	104.4	86.2	66.7
Nov	94.2	63.9	101.5	60.8	102.5	60.2	106.3	117.3	104.5	86.2	66.8
Dec	94.7	62.7	102.3	61.5	102.1	59.1	105.4	118.4	104.2	87.7	67.1
<b>Percentage change, latest year on previous year</b>											
2019	1.7	1.8	0.5	12.4	0.2	0.8	0.4	2.3	-3.0	4.1	4.8
2020	2.3	0.1	2.2	5.0	1.6	0.5	1.1	4.7	1.7	2.2	1.7
2021	-3.9	-23.4	1.6	-32.1	4.4	-26.8	5.5	8.0	1.5	-4.6	-24.2
2022	-3.4	-1.0	-3.3	-11.2	0.3	-1.9	0.7	-	-5.6	-4.3	-5.6
2023	-0.3	-14.3	1.2	-1.8	-2.6	-15.2	0.6	2.2	6.4	-5.1	-6.5
<b>Percentage change, latest month on same month a year ago</b>											
2021 Oct	-11.4	-17.5	-8.3	-41.7	3.0	-20.2	-8.0	10.0	-18.1	-11.9	-26.8
Nov	-10.2	-17.0	-7.5	-37.4	2.7	-20.8	-5.1	9.1	-15.9	-11.2	-24.3
Dec	-8.6	-21.6	-5.0	-33.7	-0.4	-27.0	5.5	14.1	-13.1	-11.0	-24.4
2022 Jan	-5.9	-13.6	-3.1	-28.8	1.5	-18.4	2.7	4.4	-8.0	-4.3	-18.0
Feb	-5.3	-5.6	-3.5	-24.7	0.5	-8.7	-1.0	5.3	-10.4	-4.8	-13.0
Mar	-5.1	-6.1	-3.8	-21.1	0.3	-9.6	3.2	1.6	-9.6	-3.7	-10.7
Apr	-3.9	12.2	-4.2	-18.8	2.6	14.7	-4.0	2.5	-10.0	-4.9	-3.7
May	-3.6	10.9	-3.5	-19.4	0.9	12.5	-2.3	-2.3	-6.0	-2.8	-5.9
Jun	-2.9	21.3	-4.1	-11.3	0.7	28.4	-1.1	0.9	-6.4	-6.2	0.1
Jul	-2.4	12.9	-3.8	-2.5	-0.8	14.5	0.3	-2.0	-5.9	-2.5	2.2
Aug	-3.1	-14.2	-3.0	0.7	0.3	-18.8	6.5	-3.5	-4.0	-1.1	-6.6
Sep	-2.1	-7.0	-2.9	5.9	1.6	-9.9	0.3	-0.1	-4.7	-3.2	-1.6
Oct	-1.0	-6.1	-1.0	5.7	-2.6	-7.6	4.3	0.8	0.9	-4.7	-1.4
Nov	-2.6	0.8	-3.5	1.0	-0.6	2.9	0.2	-1.6	-1.9	-7.0	-1.0
Dec	-2.8	-6.1	-3.1	0.8	-0.6	-5.3	-0.3	-4.7	0.4	-5.6	-3.1
2023 Jan	-2.5	-15.7 <sup>†</sup>	-1.8 <sup>†</sup>	-1.6 <sup>†</sup>	-0.9	-16.1 <sup>†</sup>	-2.2	2.4 <sup>†</sup>	-0.5 <sup>†</sup>	-7.2 <sup>†</sup>	-7.9 <sup>†</sup>
Feb	-2.3 <sup>†</sup>	-12.1	-1.4	-3.2	-2.1	-13.1	2.1 <sup>†</sup>	-0.5	2.7	-6.2	-7.7
Mar	-1.2	-15.4	-0.5	1.7	0.1 <sup>†</sup>	-15.0	3.4	2.5	3.9	-8.2	-6.0
Apr	-0.9	-16.8	0.8	-1.4	-3.3	-18.1	3.4	-0.1	8.2	-6.3	-8.5
May	-2.0	-17.0	-0.3	-4.7	-3.4	-17.9	5.2	-0.3	6.4	-7.5	-8.8
Jun	1.5	-16.1	4.1	-3.5	-3.7	-18.4	4.8	4.7	10.2	-2.1	-8.1
Jul	1.0	-20.1	3.7	-2.4	-3.0	-22.0	-0.3	4.2	10.5	-3.7	-8.7
Aug	1.2	-8.6	2.9	-0.7	-4.8	-7.6	-6.3	5.6	7.4	-4.0	-3.6
Sep	1.2	-13.4	3.0	0.8	-3.0	-13.5	0.7	3.3	9.1	-3.9	-4.1
Oct	-0.5	-12.3	0.5	-1.5	-0.5	-13.8	-0.1	-2.0	8.1	-5.1	-4.8
Nov	0.1	-14.2	1.9	-1.7	-3.1	-16.0	-1.2	3.1	6.6	-4.2	-5.3
Dec	0.6	-8.8	2.3	-3.6	-3.3	-9.4	-1.8	3.6	4.7	-1.8	-3.6

<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

continued

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

Seasonally adjusted 2019 = 100

		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
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>												
2021	Oct	-0.8	-3.7	-0.8	-2.5	2.6	-4.9	-4.5	3.0	-5.4	1.0	-2.5
	Nov	1.5	-4.4	1.9	4.7	-0.4	-6.5	5.4	-0.5	4.4	1.7	0.4
	Dec	0.2	-0.8	-	3.3	-0.2	-1.2	0.3	3.9	-0.8	-2.4	0.9
2022	Jan	-0.3	4.7	-1.0	1.8	0.4	4.1	1.3	-7.0	0.5	3.3	3.0
	Feb	-0.3	0.4	-0.4	0.2	-0.3	1.6	-1.7	1.8	-1.6	-1.9	0.3
	Mar	-0.3	0.7	-0.3	-1.8	0.1	0.1	0.2	-1.6	-	0.5	-0.5
	Apr	-0.2	1.7	-0.7	1.2	1.6	3.4	-3.3	1.4	-1.9	-1.4	2.0
	May	0.2	0.5	0.6	-1.6	-1.7	0.4	0.6	0.5	0.9	0.5	-1.7
	Jun	-0.9	-2.4	-1.2	0.9	1.7	-1.5	2.3	-1.0	-0.2	-2.8	-0.5
	Jul	-0.5	4.9	-0.8	-0.7	-1.8	5.2	1.5	-0.5	-1.1	-0.2	0.5
	Aug	-0.6	-10.0	0.2	-1.0	0.2	-12.7	3.5	-2.1	2.2	0.2	-4.3
	Sep	-0.1	2.3	-0.4	1.4	-0.5	3.2	-4.8	2.6	-1.6	-1.5	1.0
	Oct	0.3	-2.8	1.1	-2.6	-1.6	-2.5	-0.7	3.9	0.2	-0.6	-2.2
	Nov	-0.1	2.7	-0.6	-	1.7	4.1	1.3	-2.8	1.5	-0.8	0.7
	Dec	0.1	-7.7	0.4	3.1	-0.2	-9.0	-0.2	0.5	1.6	-0.8	-1.3
2023	Jan	-0.1	-6.0 <sup>†</sup>	0.3 <sup>†</sup>	-0.6 <sup>†</sup>	0.1	-7.8 <sup>†</sup>	-0.6	- <sup>†</sup>	-0.5 <sup>†</sup>	1.5 <sup>†</sup>	-2.1 <sup>†</sup>
	Feb	- <sup>†</sup>	4.7	-	-1.5	-1.5 <sup>†</sup>	5.2	2.6 <sup>†</sup>	-1.1	1.6	-0.8	0.5
	Mar	0.7	-3.1	0.5	3.2	2.3	-2.1	1.5	1.4	1.2	-1.5	1.4
	Apr	0.2	-	0.6	-1.8	-1.9	-0.3	-3.3	-1.2	2.3	0.6	-0.7
	May	-0.9	0.3	-0.5	-4.9	-1.8	0.6	2.4	0.3	-0.8	-0.8	-2.1
	Jun	2.7	-1.3	3.2	2.1	1.3	-2.1	1.9	4.0	3.3	2.8	0.3
	Jul	-1.0	-0.2	-1.2	0.6	-1.1	0.5	-3.5	-1.0	-0.8	-1.8	-0.2
	Aug	-0.4	2.9	-0.5	0.7	-1.6	3.5	-2.7	-0.9	-0.7	-	1.1
	Sep	-0.1	-3.0	-0.3	2.9	1.3	-3.4	2.3	0.5	-	-1.5	0.5
	Oct	-1.4	-1.7	-1.3	-4.8	0.9	-2.8	-1.5	-1.5	-0.7	-1.8	-2.9
	Nov	0.5	0.5	0.8	-0.2	-1.0	1.4	0.2	2.3	0.1	0.1	0.2
	Dec	0.6	-1.8	0.8	1.1	-0.4	-1.9	-0.8	1.0	-0.2	1.7	0.5
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2021	Oct	-10.6	-15.8	-7.1	-41.5	2.5	-17.3	-3.6	6.3	-13.0	-12.4	-25.9
	Nov	-10.8	-16.4	-7.7	-40.3	2.6	-18.9	-4.8	8.2	-15.5	-12.1	-25.7
	Dec	-10.1	-18.7	-6.9	-37.7	1.7	-22.7	-2.7	11.0	-15.7	-11.4	-25.2
2022	Jan	-8.3	-17.5	-5.2	-33.4	1.3	-22.2	0.9	9.2	-12.5	-8.9	-22.3
	Feb	-6.6	-14.0	-3.9	-29.2	0.6	-18.5	2.4	7.9	-10.5	-6.8	-18.7
	Mar	-5.4	-8.6	-3.5	-25.0	0.8	-12.4	1.6	3.7	-9.3	-4.3	-14.0
	Apr	-4.8	-0.4	-3.9	-21.6	1.1	-2.2	-0.6	3.1	-10.0	-4.5	-9.3
	May	-4.2	5.0	-3.8	-19.8	1.3	4.8	-1.1	0.5	-8.5	-3.8	-6.8
	Jun	-3.5	14.6	-3.9	-16.6	1.4	18.1	-2.4	0.3	-7.5	-4.7	-3.2
	Jul	-3.0	14.8	-3.8	-11.6	0.3	18.0	-1.0	-1.2	-6.1	-3.8	-1.3
	Aug	-2.8	4.9	-3.6	-4.7	0.1	5.0	1.9	-1.5	-5.4	-3.3	-1.5
	Sep	-2.6	-3.5	-3.2	1.3	0.3	-5.9	2.3	-1.9	-4.8	-2.2	-2.1
	Oct	-2.1	-9.2	-2.3	4.1	-0.3	-12.3	3.7	-0.9	-2.7	-3.0	-3.3
	Nov	-1.9	-4.2	-2.5	4.2	-0.6	-5.1	1.6	-0.3	-1.9	-5.0	-1.4
	Dec	-2.1	-3.8	-2.5	2.4	-1.3	-3.4	1.3	-1.9	-0.2	-5.8	-1.9
2023	Jan	-2.6	-7.1 <sup>†</sup>	-2.8	- <sup>†</sup>	-0.7	-6.3 <sup>†</sup>	-0.8	-1.4 <sup>†</sup>	-0.7	-6.6 <sup>†</sup>	-4.1 <sup>†</sup>
	Feb	-2.5 <sup>†</sup>	-11.4	-2.1 <sup>†</sup>	-1.4	-1.2	-11.6	-0.1	-1.0	0.9 <sup>†</sup>	-6.4	-6.3
	Mar	-2.0	-14.4	-1.2	-1.1	-1.0 <sup>†</sup>	-14.7	1.1	1.5	2.0	-7.2	-7.2
	Apr	-1.5	-14.8	-0.4	-1.0	-1.8	-15.4	3.0	0.6	4.9	-6.9	-7.4
	May	-1.4	-16.4	-	-1.4	-2.2	-17.0	4.0	0.7	6.2	-7.3	-7.8
	Jun	-0.5	-16.6	1.5	-3.2	-3.5	-18.1	4.5	1.4	8.3	-5.3	-8.5
	Jul	0.1	-17.8	2.5	-3.5	-3.4	-19.5	3.2	2.9	9.0	-4.5	-8.6
	Aug	1.2	-15.1	3.6	-2.2	-3.8	-16.3	-0.7 <sup>†</sup>	4.8	9.3	-3.3	-6.9
	Sep	1.1	-14.3	3.2	-0.7	-3.6	-14.7	-2.0	4.4	9.0	-3.9	-5.5
	Oct	0.6	-11.5	2.1	-0.4	-2.8	-11.6	-2.0	2.2	8.2	-4.3	-4.2
	Nov	0.3	-13.3	1.8	-0.8	-2.2	-14.4	-0.2	1.4	7.9	-4.4	-4.7
	Dec	0.1	-11.9	1.6	-2.3	-2.3	-13.1	-1.0	1.5	6.5	-3.7	-4.6

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

2 Any apparent inconsistencies between these tables and the latest GDP estimate 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 2019 = 100

		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
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	77.3	721.6	110.9	90.2	64.3	66.2	197.8	264.2	243.7	219.2
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>												
2021	Oct	-2.1	17.2	-2.2	-16.0	-0.8	22.5	-2.9	-	-3.2	-2.9	-2.3
	Nov	-1.4	4.9	-1.2	-9.7	-0.8	5.6	-1.9	1.3	-3.5	-0.4	-3.1
	Dec	-0.5	-5.3	-0.1	-2.2	0.8	-7.8	-1.1	3.1	-3.3	1.3	-3.2
2022	Jan	0.6	-7.7	0.9	4.6	0.8	-11.4	3.3	1.3	-0.1	2.0	-1.1
	Feb	0.6	-1.9	0.2	7.0	0.6	-4.2	2.6	0.2	-	0.6	2.3
	Mar	-	3.0	-0.7	5.1	-	2.0	2.2	-4.2	0.3	1.1	3.7
	Apr	-0.7	4.3	-1.5	1.6	0.5	5.1	-1.7	-2.5	-2.1	-0.7	2.9
	May	-0.7	3.8	-1.2	-0.8	0.5	4.9	-2.5	-1.8	-1.8	-0.5	1.5
	Jun	-0.6	1.8	-1.0	-0.7	0.9	3.7	-2.6	0.9	-1.8	-2.3	0.5
	Jul	-0.8	1.8	-1.0	-1.0	-0.2	3.4	0.4	-	-0.8	-2.2	-0.7
	Aug	-1.3	-1.8	-1.5	-0.5	-0.1	-1.2	3.7	-1.2	-0.2	-3.0	-2.1
	Sep	-1.5	-2.8	-1.4	-0.8	-1.4	-3.6	3.9	-1.6	-	-2.3	-2.9
	Oct	-1.2	-7.3	-0.7	-1.1	-1.3	-9.0	1.7	0.2	0.4	-2.1	-4.2
	Nov	-0.5	-4.2	-	-1.3	-1.5	-4.5	-2.2	2.6	0.1	-2.1	-3.0
	Dec	-	-5.7	0.7	-1.0	-0.8	-5.3	-2.1	3.1	1.4	-2.4	-3.0
2023	Jan	-	-5.6 <sup>†</sup>	0.4	0.5 <sup>†</sup>	0.3	-5.2 <sup>†</sup>	-1.2	0.9 <sup>†</sup>	2.0 <sup>†</sup>	-1.8 <sup>†</sup>	-2.0 <sup>†</sup>
	Feb	-	-9.3	0.6 <sup>†</sup>	1.3	-	-10.7	0.9	-0.5	2.8	-0.9	-2.8
	Mar	0.1 <sup>†</sup>	-8.3	0.6	1.5	0.3 <sup>†</sup>	-10.0	2.0	-0.9	2.5	-0.4	-1.9
	Apr	0.4	-4.4	0.9	0.6	-0.6	-5.2	2.0	-0.5	3.3	-1.0	-0.7
	May	0.5	-2.1	0.9	-0.9	-0.6	-1.5	1.5	-0.1	3.3	-1.5	-0.2
	Jun	0.9	-0.9	1.7	-2.8	-1.6	-0.4	0.7	0.8	4.2	-0.3	-0.9
	Jul	0.9	-1.7	1.8	-3.5	-1.8	-1.6	0.7	2.2	3.1	0.3	-2.0
	Aug	1.3	-0.3	2.0	-1.3	-1.8	-0.3	-0.9	2.8	2.8	1.2	-1.1
	Sep	0.1	-0.1	0.2	1.7	-1.5	0.4	-2.6	1.3	0.6	-0.8	0.2
	Oct	-0.7	-0.3	-1.0	2.0	-0.7	-0.1	-3.4 <sup>†</sup>	-0.4	-0.4	-1.9	0.4
	Nov	-1.4	-2.1	-1.7	0.1	0.2	-2.4	-1.7	-0.7	-1.2	-3.3	-0.8
	Dec	-1.0	-3.0	-0.9	-2.6	0.5	-3.6	-1.1	0.3	-1.0	-2.2	-2.0

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

<sup>2</sup> Any apparent inconsistencies between these tables and the latest GDP estimate 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 2019 = 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	115.8	23.9	48.0	12.6	44.2	49.8
	K22B	K22P	K22T	K22X	K22Z	K239
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	103.4	66.7	89.3	85.6	101.9	120.2
2021	114.4	119.2	92.5	82.4	90.8	121.9
2022	116.9	128.0	88.1	87.7	86.7	117.2
2023	116.7	116.8	82.9	85.1	78.8	128.7
2022 Q4	115.0	127.2	84.4	82.0	80.8	131.1
2023 Q1	115.4 <sup>†</sup>	121.3 <sup>†</sup>	82.8 <sup>†</sup>	85.8 <sup>†</sup>	79.9 <sup>†</sup>	125.4 <sup>†</sup>
Q2	115.8	118.7	83.5	89.9	78.4	128.8
Q3	116.9	115.1	84.1	83.4	79.1	130.7
Q4	118.7	112.1	81.1	81.2	77.9	130.0
2022 Oct	114.7	126.0	85.6	82.9	83.2	138.9
Nov	115.6	128.0	84.3	82.6	80.5	124.8
Dec	114.7	127.7	83.3	80.5	78.6	129.5
2023 Jan	115.4 <sup>†</sup>	124.0 <sup>†</sup>	83.3 <sup>†</sup>	83.5 <sup>†</sup>	81.7 <sup>†</sup>	124.8 <sup>†</sup>
Feb	115.6	121.0	82.5	85.0	79.0	122.7
Mar	115.1	118.8	82.7	89.0	79.0	128.8
Apr	114.5	117.3	83.8	90.5	78.3	125.9
May	115.8	117.1	82.4	91.6	77.2	124.8
Jun	117.2	121.7	84.2	87.5	79.6	135.8
Jul	117.1	114.3	85.0	83.8	79.9	131.8
Aug	116.1	114.6	84.8	84.4	78.4	131.3
Sep	117.5	116.4	82.4	81.9	79.1	128.9
Oct	117.6	112.3	81.4	79.6	77.3	124.5
Nov	119.0	112.5	81.6	81.2	78.2	130.7
Dec	119.6	111.6	80.2	82.8	78.3	134.7

## Percentage change, latest year on previous year

2019	0.1	12.5	1.9	-18.7	14.5	5.7
2020	3.4	-33.3	-10.7	-14.4	1.9	20.2
2021	10.7	78.6	3.7	-3.7	-10.9	1.4
2022	2.2	7.4	-4.8	6.4	-4.5	-3.9
2023	-0.2	-8.8	-6.0	-3.1	-9.1	9.9

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

2021 Oct	9.2	74.8	4.6	-1.0	-12.6	11.7
Nov	9.1	65.4	-0.8	7.4	-12.9	10.9
Dec	8.5	47.9	-0.9	5.3	-4.2	27.5
2022 Jan	10.7	47.0	0.9	16.3	1.0	-9.8
Feb	8.3	34.6	1.2	28.5	-0.4	-1.8
Mar	7.1	22.4	0.9	33.7	1.7	-11.4
Apr	2.2	15.9	-6.3	23.8	-4.1	5.2
May	2.3	6.2	-4.7	14.8	0.1	-11.5
Jun	0.7	-3.0	-4.4	-4.3	-7.1	2.6
Jul	1.2	3.3	-4.3	-7.0	-5.4	-10.1
Aug	1.2	0.1	-5.0	-6.1	-1.6	-13.6
Sep	-1.3	-2.0	-7.1	1.8	-4.1	5.3
Oct	-1.7	-4.6	-9.7	1.0	-7.2	9.1
Nov	-1.5	-5.3	-8.9	-6.5	-11.1	0.3
Dec	-1.5	-1.4	-9.7	-6.8	-15.9	-8.2
2023 Jan	-1.9 <sup>†</sup>	-4.8 <sup>†</sup>	-9.8 <sup>†</sup>	-6.3 <sup>†</sup>	-15.4 <sup>†</sup>	15.0 <sup>†</sup>
Feb	-1.9	-3.5	-11.1	-8.0	-14.3	5.0
Mar	-2.5	-8.6	-10.3	-7.6	-12.9	19.5
Apr	-3.2	-10.8	-7.1	-7.2	-12.6	12.6
May	-2.6	-9.0	-8.6	-5.9	-14.0	8.7
Jun	-0.3	-1.5	-3.6	-2.8	-6.3	17.7
Jul	-0.5	-11.1	-3.9	3.9	-5.4	18.8
Aug	-1.0	-10.4	-1.0	3.1	-9.2	25.6
Sep	2.6	-9.5	-3.1	-	-5.3	5.4
Oct	2.5	-10.9	-4.9	-4.0	-7.1	-10.4
Nov	2.9	-12.1	-3.2	-1.6	-2.9	4.8
Dec	4.3	-12.6	-3.7	2.8	-0.4	4.0

<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

continued

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

Seasonally adjusted 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, 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	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	100.2	107.6	103.9	135.2	104.7	99.7	98.8
2021	103.8	93.5	106.8	94.1	107.1	100.4	102.8
2022	99.7	87.9	107.1	79.9	93.7	93.7	102.1
2023	91.0	91.2	111.6	79.9	90.1	106.7	103.6
2022 Q4	97.4	85.0	108.7	78.2	90.9	94.8	102.9
2023 Q1	97.2 <sup>†</sup>	88.6 <sup>†</sup>	111.4 <sup>†</sup>	76.0 <sup>†</sup>	93.4 <sup>†</sup>	98.2 <sup>†</sup>	103.0 <sup>†</sup>
Q2	94.0	90.1	113.5	79.5	92.1	106.5	105.7
Q3	88.4	93.1	111.6	83.4	90.6	110.1	103.4
Q4	84.3	93.2	110.1	80.9	84.2	112.1	102.1
2022 Oct	98.2	85.4	107.3	79.1	89.0	93.4	101.5
Nov	96.6	85.3	109.1	78.2	90.3	95.1	102.8
Dec	97.5	84.3	109.7	77.5	93.3	95.9	104.3
2023 Jan	99.2 <sup>†</sup>	88.5	108.5 <sup>†</sup>	79.7 <sup>†</sup>	92.4 <sup>†</sup>	96.3 <sup>†</sup>	102.8 <sup>†</sup>
Feb	98.1	88.4 <sup>†</sup>	111.6	73.7	94.0	98.3	103.0
Mar	94.1	89.0	114.0	74.5	93.7	100.0	103.2
Apr	93.4	89.3	109.5	78.8	94.6	105.6	106.2
May	92.5	89.6	114.0	77.0	91.0	103.8	104.2
Jun	96.1	91.3	117.0	82.7	90.7	110.2	106.8
Jul	89.5	92.7	113.2	84.2	92.5	108.6	105.3
Aug	89.0	93.5	109.2	82.8	90.5	111.5	102.5
Sep	86.8	93.3	112.3	83.0	88.8	110.2	102.3
Oct	84.6	92.2	109.6	80.4	85.6	110.6	102.7
Nov	83.5	93.0	111.1	80.8	83.5	111.6	101.8
Dec	84.7	94.3	109.7	81.5	83.6	114.1	101.8

## Percentage change, latest year on previous year

2019	1.3	-3.6	0.6	16.3	-8.6	-2.8	-1.2
2020	0.2	7.6	3.9	35.2	4.7	-0.3	-1.2
2021	3.6	-13.1	2.8	-30.4	2.3	0.6	4.0
2022	-3.9	-6.0	0.3	-15.1	-12.5	-6.7	-0.7
2023	-8.8	3.8	4.2	0.1	-3.9	14.0	1.4

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

2021 Oct	-5.4	-24.8	-10.5	-43.7	-30.6	-22.0	-0.5
Nov	-4.2	-21.9	-5.8	-43.8	-25.9	-21.1	-2.2
Dec	-9.1	-22.8	8.1	-28.4	-30.1	-16.4	-3.2
2022 Jan	-3.8	-13.2	2.7	-30.1	-13.1	-12.4	-3.2
Feb	-5.8	-10.1	-4.8	-29.2	-14.7	-15.2	-0.1
Mar	-7.4	-8.5	0.8	-22.7	-18.7	-13.0	1.2
Apr	-4.9	-6.9	-7.3	-22.1	-17.8	-8.7	-3.4
May	0.9	-6.7	-5.1	-19.0	-13.1	-1.9	-3.0
Jun	-2.2	-8.8	-1.7	-11.0	-12.6	-7.2	-1.9
Jul	-0.9	-2.9	1.4	-9.3	-10.6	-8.3	-2.5
Aug	-1.0	-1.5	6.9	-3.0	-12.0	-7.7	2.3
Sep	-4.7	-1.7	2.4	-3.1	-16.1	-4.8	-0.2
Oct	-5.4	-1.0	7.0	-3.0	-4.0	1.4	-1.3
Nov	-9.2	-3.9	1.2	-3.6	-10.6	0.3	0.6
Dec	-2.0	-4.1	0.8	-8.7	-3.5	0.9	4.0
2023 Jan	-2.1 <sup>†</sup>	-2.3	-0.8 <sup>†</sup>	-5.6	-9.0 <sup>†</sup>	2.6 <sup>†</sup>	2.1 <sup>†</sup>
Feb	-1.0	-3.0 <sup>†</sup>	6.1	-9.8 <sup>†</sup>	-3.1	5.1	-0.2
Mar	-6.3	-2.7	7.5	-10.2	-1.3	5.8	0.6
Apr	-7.7	-0.8	6.8	-1.9	1.3	12.0	6.8
May	-11.0	0.8	10.7	-2.2	-5.1	10.1	3.5
Jun	-5.0	4.1	10.6	4.6	-4.3	18.9	4.2
Jul	-10.6	7.2	5.5	7.9	0.4	18.9	3.1
Aug	-10.6	7.3	-2.8	4.0	-1.0	19.6	-1.2
Sep	-11.0	8.3	4.4	5.1	-2.3	20.0	0.2
Oct	-13.8	7.9	2.1	1.7	-3.8	18.5	1.1
Nov	-13.5	9.0	1.8	3.4	-7.6	17.3	-1.0
Dec	-13.2	11.8	-	5.1	-10.4	19.0	-2.4

<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 2019 = 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	115.8	23.9	48.0	12.6	44.2	49.8
	K22B	K22P	K22T	K22X	K22Z	K239

## Percentage change, latest month on previous month

2021	Oct	0.5	0.6	3.5	2.0	2.9	9.6
	Nov	0.6	2.4	-2.4	7.6	1.1	-2.3
	Dec	-0.8	-4.2	-0.3	-2.1	3.2	13.5
2022	Jan	1.1	0.6	0.1	3.1	3.3	-23.1
	Feb	-	-3.8	0.5	3.7	-4.5	7.6
	Mar	0.3	3.6	-0.6	4.2	-1.6	-7.7
	Apr	0.2	1.2	-2.2	1.2	-1.2	3.7
	May	0.6	-2.1	-0.1	-0.2	0.3	2.7
	Jun	-1.1	-4.0	-3.2	-7.5	-5.4	0.5
	Jul	0.1	4.1	1.4	-10.3	-0.6	-3.9
	Aug	-0.4	-0.5	-3.3	1.4	2.3	-5.7
	Sep	-2.4	0.6	-0.6	-	-3.3	17.0
	Oct	0.2	-2.0	0.6	1.2	-0.5	13.6
	Nov	0.8	1.6	-1.6	-0.4	-3.2	-10.2
	Dec	-0.8	-0.2	-1.2	-2.5	-2.4	3.8
2023	Jan	0.6 <sup>†</sup>	-2.9 <sup>†</sup>	- <sup>†</sup>	3.7 <sup>†</sup>	3.9 <sup>†</sup>	-3.6 <sup>†</sup>
	Feb	0.1	-2.4	-0.9	1.9	-3.3	-1.7
	Mar	-0.4	-1.9	0.3	4.6	-	5.0
	Apr	-0.5	-1.3	1.3	1.7	-0.9	-2.3
	May	1.2	-0.2	-1.7	1.2	-1.4	-0.9
	Jun	1.2	4.0	2.2	-4.5	3.1	8.8
	Jul	-0.1	-6.1	1.0	-4.2	0.4	-2.9
	Aug	-0.8	0.3	-0.3	0.7	-1.8	-0.4
	Sep	1.2	1.5	-2.7	-3.0	0.9	-1.8
	Oct	0.1	-3.5	-1.2	-2.8	-2.3	-3.4
	Nov	1.2	0.2	0.2	2.1	1.1	5.0
	Dec	0.5	-0.8	-1.6	1.9	0.2	3.0

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

2021	Oct	8.6	77.8	1.2	2.8	-14.0	0.8
	Nov	8.8	73.1	1.5	0.7	-13.5	6.8
	Dec	8.9	62.0	0.9	3.9	-10.0	16.6
2022	Jan	9.4	53.1	-0.3	9.5	-5.6	9.0
	Feb	9.1	43.0	0.4	16.2	-1.2	4.7
	Mar	8.7	33.9	1.0	26.0	0.8	-7.7
	Apr	5.8	23.7	-1.5	28.5	-1.0	-3.0
	May	3.8	14.5	-3.4	23.6	-0.8	-6.5
	Jun	1.7	6.0	-5.1	10.6	-3.7	-1.8
	Jul	1.4	2.1	-4.5	0.9	-4.2	-6.7
	Aug	1.0	0.1	-4.6	-5.8	-4.7	-7.3
	Sep	0.4	0.4	-5.4	-3.9	-3.7	-6.3
	Oct	-0.6	-2.2	-7.3	-1.2	-4.3	0.4
	Nov	-1.5	-4.0	-8.6	-1.4	-7.5	5.0
	Dec	-1.5	-3.8	-9.4	-4.2	-11.5	0.1
2023	Jan	-1.6 <sup>†</sup>	-3.9 <sup>†</sup>	-9.5	-6.6 <sup>†</sup>	-14.2 <sup>†</sup>	1.3 <sup>†</sup>
	Feb	-1.8	-3.2	-10.2 <sup>†</sup>	-7.1	-15.2	2.9
	Mar	-2.1	-5.6	-10.4	-7.3	-14.2	13.0
	Apr	-2.5	-7.7	-9.5	-7.6	-13.3	12.2
	May	-2.8	-9.5	-8.7	-6.9	-13.2	13.5
	Jun	-2.1	-7.2	-6.5	-5.3	-11.1	13.0
	Jul	-1.2	-7.3	-5.4	-1.9	-8.7	15.0
	Aug	-0.6	-7.7	-2.9	1.3	-7.0	20.6
	Sep	0.3	-10.3	-2.7	2.3	-6.7	16.0
	Oct	1.3	-10.3	-3.0	-0.3	-7.2	5.2
	Nov	2.7	-10.9	-3.8	-1.9	-5.1	-0.5
	Dec	3.2	-11.9	-3.9	-1.0	-3.5	-0.8

<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 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, 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	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest month on previous month

2021	Oct	1.5	-1.6	-4.4	-0.1	-14.5	-4.5	0.7
	Nov	2.4	2.9	7.4	-0.6	9.0	2.9	-0.7
	Dec	-6.4	-0.9	1.0	4.7	-4.2	0.2	-1.9
2022	Jan	1.9	3.0	0.5	-0.6	5.0	-1.2	0.5
	Feb	-2.2	0.6	-3.8	-3.2	-4.5	-0.4	2.4
	Mar	1.3	0.3	0.7	1.5	-2.1	1.0	-0.6
	Apr	0.9	-1.6	-3.3	-3.2	-1.7	-0.2	-3.0
	May	2.7	-1.2	0.5	-1.9	2.8	-0.1	1.2
	Jun	-2.8	-1.4	2.6	0.4	-1.2	-1.6	1.7
	Jul	-1.0	-1.4	1.5	-1.3	-2.9	-1.5	-0.3
	Aug	-0.6	0.7	4.7	2.0	-0.7	2.0	1.6
	Sep	-2.0	-1.1	-4.3	-0.8	-0.7	-1.4	-1.7
	Oct	0.8	-0.8	-0.1	0.1	-2.0	1.7	-0.5
	Nov	-1.6	-0.1	1.6	-1.1	1.5	1.9	1.2
	Dec	1.0	-1.1	0.5	-0.8	3.3	0.8	1.4
2023	Jan	1.7 <sup>†</sup>	4.9	-1.0 <sup>†</sup>	2.8 <sup>†</sup>	-1.0 <sup>†</sup>	0.5 <sup>†</sup>	-1.4 <sup>†</sup>
	Feb	-1.1	-0.1 <sup>†</sup>	2.9	-7.5	1.8	2.1	0.1
	Mar	-4.1	0.7	2.1	1.1	-0.3	1.7	0.2
	Apr	-0.7	0.4	-3.9	5.8	0.9	5.6	2.9
	May	-1.0	0.4	4.1	-2.3	-3.7	-1.8	-1.9
	Jun	3.9	1.8	2.6	7.4	-0.4	6.2	2.5
	Jul	-6.8	1.5	-3.2	1.7	1.9	-1.5	-1.4
	Aug	-0.6	0.8	-3.5	-1.6	-2.1	2.7	-2.7
	Sep	-2.5	-0.2	2.8	0.3	-1.9	-1.1	-0.2
	Oct	-2.5	-1.1	-2.4	-3.1	-3.6	0.4	0.4
	Nov	-1.3	0.9	1.4	0.5	-2.5	0.9	-0.9
	Dec	1.3	1.4	-1.3	0.8	0.2	2.3	-

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

2021	Oct	-6.8	-22.5	-5.9	-45.9	-19.8	-17.0	-1.4
	Nov	-5.6	-23.3	-6.7	-44.5	-23.9	-20.7	-1.4
	Dec	-6.2	-23.2	-3.1	-39.3	-28.8	-19.9	-2.0
2022	Jan	-5.7	-19.5	1.4	-34.7	-23.6	-16.8	-2.8
	Feb	-6.3	-15.6	1.8	-29.2	-20.0	-14.7	-2.2
	Mar	-5.7	-10.6	-0.5	-27.5	-15.5	-13.5	-0.7
	Apr	-6.1	-8.5	-3.9	-24.8	-17.1	-12.4	-0.8
	May	-3.9	-7.4	-4.0	-21.3	-16.6	-8.1	-1.8
	Jun	-2.1	-7.5	-4.7	-17.6	-14.5	-6.0	-2.8
	Jul	-0.7	-6.2	-1.8	-13.3	-12.1	-5.8	-2.5
	Aug	-1.4	-4.5	2.2	-7.9	-11.7	-7.7	-0.8
	Sep	-2.2	-2.0	3.5	-5.2	-13.0	-7.0	-0.2
	Oct	-3.7	-1.4	5.4	-3.1	-11.0	-3.8	0.2
	Nov	-6.5	-2.2	3.5	-3.2	-10.6	-1.1	-0.3
	Dec	-5.6	-3.0	2.9	-5.1	-6.1	0.8	1.1
2023	Jan	-4.5 <sup>†</sup>	-3.4	0.4 <sup>†</sup>	-6.0	-7.8 <sup>†</sup>	1.3 <sup>†</sup>	2.2 <sup>†</sup>
	Feb	-1.7	-3.2	2.0	-8.0	-5.3	2.9	1.9
	Mar	-3.1	-2.7 <sup>†</sup>	4.2	-8.5 <sup>†</sup>	-4.6	4.5	0.8
	Apr	-5.0	-2.2	6.8	-7.3	-1.1	7.7	2.4
	May	-8.4	-0.9	8.3	-4.8	-1.7	9.3	3.6
	Jun	-8.0	1.3	9.4	0.2	-2.7	13.7	4.8
	Jul	-8.9	4.0	8.9	3.4	-3.0	15.9	3.6
	Aug	-8.7	6.2	4.3	5.5	-1.7	19.1	2.0
	Sep	-10.7	7.6	2.3	5.6	-0.9	19.5	0.7
	Oct	-11.8	7.8	1.2	3.6	-2.3	19.4	-
	Nov	-12.8	8.4	2.8	3.4	-4.5	18.6	0.1
	Dec	-13.5	9.6	1.3	3.4	-7.3	18.3	-0.7

1 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 2019 = 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	115.8	23.9	48.0	12.6	44.2	49.8	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest 3 months on previous 3 months</b>							
2021	Oct	-0.2	4.8	-0.7	-6.0	-2.2	-0.3
	Nov	0.3	5.0	1.8	-6.4	-0.4	3.1
	Dec	0.6	3.5	2.0	0.9	3.6	8.9
2022	Jan	0.8	1.0	0.2	5.7	6.1	2.6
	Feb	0.5	-3.3	-0.5	6.8	5.5	-0.4
	Mar	0.9	-2.8	-0.8	8.2	2.1	-15.2
	Apr	0.8	-2.1	-0.7	8.5	-2.9	-10.1
	May	1.0	1.3	-1.7	8.7	-4.3	-8.7
	Jun	0.4	-0.5	-3.5	2.5	-5.4	2.7
	Jul	-	-1.6	-3.4	-6.4	-4.9	1.4
	Aug	-0.8	-2.6	-4.1	-13.2	-5.3	-1.1
	Sep	-1.5	0.3	-3.2	-14.2	-3.8	-1.2
	Oct	-2.2	0.5	-3.6	-8.0	-2.3	7.3
	Nov	-2.2	0.7	-2.5	-2.1	-3.3	16.7
	Dec	-1.3	-0.9	-2.3	0.6	-4.8	16.4
2023	Jan	-0.2 <sup>†</sup>	-0.7 <sup>†</sup>	-2.1 <sup>†</sup>	- <sup>†</sup>	-4.9 <sup>†</sup>	3.6 <sup>†</sup>
	Feb	0.2	-2.6	-2.3	0.7	-3.2	-2.4
	Mar	0.3	-4.7	-1.9	4.7	-1.1	-4.3
	Apr	-0.2	-6.0	-0.7	7.3	-1.9	-0.4
	May	-0.1	-5.3	-	8.9	-2.0	0.7
	Jun	0.4	-2.2	0.7	4.7	-1.9	2.7
	Jul	1.4	-1.1	1.0	-0.6	0.1	4.0
	Aug	1.5	-0.7	2.0	-5.7	1.4	5.1
	Sep	0.9	-3.0	0.7	-7.2	1.0	1.4
	Oct	0.3	-2.8	-1.2	-6.5	-0.8	-2.0
	Nov	1.0	-2.7	-3.4	-5.1	-1.4	-3.7
	Dec	1.6	-2.6	-3.6	-2.6	-1.5	-0.5

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# IOP5 Output of the Production Industries

continued

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

Seasonally adjusted 2019 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, 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	52.4	80.8	50.4	18.4	57.2	101.2	66.8
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

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

2021	Oct	-0.3	-6.6	-3.6	-9.9	-5.2	-2.0	-2.1
	Nov	2.5	-4.0	-1.7	-5.0	-4.2	-5.6	-1.1
	Dec	1.9	-0.8	0.3	-0.9	-7.8	-5.0	-1.0
2022	Jan	0.2	1.9	5.0	2.1	-1.8	-2.0	-1.1
	Feb	-4.0	2.7	3.3	2.8	-2.2	-0.3	-1.0
	Mar	-2.8	3.9	1.2	0.6	1.1	-	0.4
	Apr	-2.1	2.0	-3.8	-2.1	-4.7	-0.5	0.7
	May	1.9	0.3	-3.7	-3.5	-3.8	0.2	-0.5
	Jun	1.8	-2.4	-2.9	-4.3	-3.3	-0.3	-1.3
	Jul	1.5	-3.5	0.7	-3.7	-0.9	-1.5	-
	Aug	-1.6	-3.4	4.5	-2.2	-2.1	-2.1	1.8
	Sep	-3.0	-2.6	5.1	-0.6	-3.4	-1.7	1.7
	Oct	-3.3	-1.7	3.5	0.8	-4.1	0.1	0.7
	Nov	-2.8	-1.7	-0.5	-0.2	-2.9	1.2	-0.6
	Dec	-1.6	-1.8	-0.3	-0.8	-0.6	2.9	0.2
2023	Jan	-0.6 <sup>†</sup>	-0.2	-	-1.0	1.8 <sup>†</sup>	3.2 <sup>†</sup>	0.9
	Feb	0.9	1.7	1.8 <sup>†</sup>	-2.3	3.6	3.6	1.2 <sup>†</sup>
	Mar	-0.3	4.2 <sup>†</sup>	2.5	-2.9 <sup>†</sup>	2.7	3.6	0.1
	Apr	-2.6	3.3	2.4	-3.5	2.2	5.8	0.8
	May	-5.0	2.6	2.3	-0.2	-0.2	6.5	1.1
	Jun	-3.2	1.7	1.9	4.7	-1.4	8.5	2.7
	Jul	-2.6	2.6	2.7	7.5	-2.9	6.1	1.2
	Aug	-1.9	3.6	0.6	8.4	-2.0	6.7	0.3
	Sep	-5.9	3.4	-1.7	4.8	-1.7	3.3	-2.3
	Oct	-6.4	2.0	-3.8	1.0	-3.4	3.0	-2.8
	Nov	-7.2	0.4	-1.9	-2.2	-5.8	0.7	-2.5
	Dec	-4.7	-	-1.3	-2.9	-7.0	1.8	-1.2

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