

Statistical bulletin

Index of Production, UK: October 2022

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



Release date: 12 December 2022 Next release: 13 January 2023

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1. Main points

- Monthly production output remained unchanged at 0.0% between September and October 2022 and is 0.3% above February 2020, which was the last month of "normal" trading conditions before the coronavirus (COVID-19) pandemic.
- The unchanged level of monthly output resulted from a decline in three of the four production sectors, with electricity and gas falling by 2.4%, water supply and sewerage by 1.6% and mining and quarrying by 0.5%; this was offset by growth from manufacturing, which rose by 0.7%.
- Manufacturing saw 6 of its 13 sub-sectors positively contributing to growth during October; most notably, the manufacture of basic pharmaceutical products, which contributed 0.49 percentage points to the Index of Production (IoP) (with growth rising by 8.4%), and the manufacture of transport equipment, which contributed 0.21 percentage points (with growth rising by 2.3%).
- Partially offsetting the positive growth in manufacturing was a negative contribution of 0.10 percentage points (with growth falling by 1.2%) from basic metals and metal products.
- Output remained below the February 2020 pre-coronavirus pandemic levels in the mining and quarrying sector (13.9% below) and the manufacturing sector (0.8% below).
- In contrast, water supply and sewerage, and electricity and gas were above the February 2020 level, at 12.1% and 7.9%, respectively.
- Production output for the three months to October 2022 fell by 1.7% compared with the three months to July 2022, with falls in mining and quarrying (5.3%), manufacturing (1.8%) and water supply and sewerage (0.8%), while electricity and gas rose by 0.2%.
- Further analysis of the effect on our monthly IoP estimate is available in our <u>Gross domestic product (GDP)</u> <u>monthly estimate</u>, <u>UK</u>: <u>October 2022</u> bulletin, published 12 December 2022.

More about economy, business and jobs

- All ONS analysis, summarised in our economy, business and jobs roundup.
- Explore the latest trends in employment, prices and trade in our economic dashboard.
- View all economic data.

2. Index of Production (IoP) data

Index of Production time series

Dataset DIOP | Released 12 December 2022

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 12 December 2022

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 12 December 2022

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 12 December 2022

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 12 December 2022

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 Business, Energy and Industrial Strategy (BEIS), and the International Steel Statistics Bureau (ISSB) for steel industries.

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 <u>VAT turnover data in National Accounts:</u> <u>background and methodology article</u>.

A comprehensive list of the IoP source data can be found in our <u>Gross domestic product (GDP) data sources catalogue (XLS, 1.9MB)</u>.

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in our <u>UK Index of Production Quality and Methodology Information (QMI)</u>.

Coronavirus (COVID-19)

The Office for National Statistics's (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 BEIS, and therefore will be less affected than the survey data.

Our latest data and analysis on the impact of the coronavirus pandemic on the UK economy and population are available on our <u>Coronavirus (COVID-19) data and analysis web page</u>. This is the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place. These will support the adoption and implementation of high-quality standards for UK economic statistics. These governance arrangements will promote international comparability and add to the credibility and independence of the UK's statistical system.

At the centre of this new governance framework, there will be the new National Statistician's Committee for Advice on Standards for Economic Statistics (NSCASE). NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world leading. The advice that NSCASE provides to the National Statistician will span the full range of domains in economic statistics, including:

- · the national accounts
- · fiscal statistics
- prices
- · trade and the balance of payments
- labour market statistics

You can access further information on the NSCASE on the UK Statistics Authority's website.

4. Related links

International comparisons of GDP during the coronavirus (COVID-19) pandemic

Article | Released 1 February 2021

The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in GDP volume among the G7 countries. However, international comparisons have also been complicated by how National Statistical Institutes (NSIs) record non-market output.

Comparison of motor vehicle manufacturing output statistics, UK: 1997 to 2019

Article | Released 10 January 2020

Comparing measures of motor vehicle manufacturing compiled by the Office for National Statistics (ONS) and published in the Index of Production (IoP), with outputs from the Society of Motor Manufacturers and Traders (SMMT).

Comparing ONS's economic data with IHS Markit and CIPS Purchasing Managers' Index surveys

Article | Released 21 October 2019

A comparison between official estimates of UK output and diffusion indices, looking at the level of correlation between Office for National Statistics data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

GDP monthly estimate, UK: October 2022

Bulletin | Released 12 December 2022

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.

Producer price inflation, UK: October 2022

Bulletin | Released 16 November 2022

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: 2021 results

Bulletin | Released 23 August 2022

Estimates for UK manufacturers' sales by product (ProdCom) for 2021, including 2020 final sales data.

Energy Trends and Prices: monthly data

Bulletin | Last updated 24 November 2022

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

5. Cite this statistical bulletin

Office for National Statistics (ONS), released 12 December 2022, ONS website, statistical bulletin, <u>Index of Production</u>, <u>UK: October 2022</u>



Index of Production Release Tables

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Output of the Production Industries, October 2022

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
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Enquiries

IOP5 Output of the Production Industries Chained volume indices of gross value added1

			Broad ind	ustry 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	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
2017	94.6	92.1	94.8	90.6	99.2	92.6	98.5	88.6	101.6	92.5	92.7	
2018	97.7	97.9	98.9	87.7	100.3	98.8	100.8	96.3	104.3	95.9	92.8	
2019 2020	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2021	101.3	96.8	100.1	109.1	104.8	96.5	96.0	103.8	95.9	103.1	102.1	
	108.8	86.0	109.8	115.1	112.9	81.8	104.5	109.0	107.7	113.5	99.9	
2021 Q3	108.9	90.0	109.8	113.1	112.9	86.0	106.5	109.1	107.5	112.9	100.6	
Q4	107.6	88.0	108.9	107.4	115.2	83.8	104.8	113.7	103.9	110.7	97.0	
2022 Q1	107.0	90.5	107.2	110.3	116.8	86.3	106.1	108.4	103.2	109.9	100.0	
Q2	106.9	89.6	106.0	114.6	119.8	86.2	103.2	109.7	101.3	107.0	101.8	
Q3	105.2	88.7	103.6	117.6	118.2	85.6	102.1	108.2	99.9	103.9	102.3	
2021 Aug	109.4	95.5	110.0	112.4	112.9	92.4	106.3	109.3	108.0	112.7	102.1	
Sep	108.3	90.9	109.5	110.2	111.5	87.2	105.6	108.7	107.8	112.0	99.5	
Oct	107.5	90.2	108.9	105.3	114.7	86.8	103.8	112.5	104.2	111.6	96.6	
Nov	107.6	88.3	108.8	108.4	115.0	83.7	105.8	111.5	104.7	111.3	97.4	
Dec	107.7	85.5	109.0	108.4	115.8	81.0	104.9	117.0	102.9	109.2	97.1	
2022 Jan	107.2	89.9	107.5	110.6	116.5	85.2	106.6	107.0	104.3	111.3	100.0	
Feb	106.9	90.3	107.0	111.0	116.4	86.7	105.2	109.6	102.7	108.9	100.3	
Mar	106.9	91.3	107.0	109.4	117.5	87.0	106.5	108.5	102.6	109.6	99.8	
	106.7	89.2	106.2	111.7	120.1	85.4	103.0	109.5	101.1	108.1	100.8	
Apr May	107.1	90.4	106.3	114.5	119.2	86.7	102.2	110.2	101.1	107.7	101.7	
Jun	106.8	89.2	105.4	117.6	120.2	86.6	104.2	109.6	101.7	105.3	103.0	
Jul	106.1	93.6	104.3	117.8	117.5	91.6	103.3	108.4	100.6	105.2	104.3	
Aug	104.6	86.0	103.2	116.6	118.3	82.2	103.3	106.8	99.5	104.4	100.9	
Sep	104.9	86.6	103.2	118.3	118.7	83.1	99.7	109.3	99.7	102.1	101.6	
Oct	104.9	86.1	103.9	115.5	116.9	83.0	98.7	112.1	100.0	101.5	100.3	
Percentage char		on previous ye	ar									
2017	-0.2	-7.8	1.2	-7.1	0.6	-5.3	3.1	-2.8	6.6	-1.6	-5.7	
2018	3.3	6.3	4.3	-3.2	1.1	6.7	2.3	8.6	2.7	3.7	0.1	
2019	2.3	2.2	1.2	14.0	-0.3	1.2	-0.7	3.9	-4.1	4.2	7.8	
2020	1.2	-3.2	0.1	9.1	4.8	-3.5	-4.0	3.8	-4.1	3.1	2.1	
2021	7.4	-11.1	9.7	5.5	7.7	-15.2	8.9	5.0	12.3	10.1	-2.1	
Percentage char 2020 Aug	nge, latest montl 5.6	n on same moi -2.3	oth a year ago	14.8	6.5	-2.3	2.2	9.2	0.6	7.8	4.6	
Sep	5.7	-8.3	6.6	10.4	5.5	-9.7	1.4	6.1	4.5	10.4	1.0	
Oct	5.8	1.6	6.8	1.8	6.2	2.6		5.4	4.2	11.6	-0.3	
Nov	7.8	-4.0	10.5	-1.7	8.9	-4.3	4.1	5.0	11.0	15.9	-4.0	
Dec	8.4	3.8	9.6	2.8	10.0	5.9	-4.7	4.6	11.3	13.8	1.3	
2021 Jan	4.4	-2.8	4.3	8.1	6.9	-3.0	-1.3	2.7	3.2	7.7	0.6	
Feb	4.0	-11.7	4.4	9.0	7.4	-13.7	1.7	-1.5	6.9	8.9	-2.2	
Mar	10.5	-3.2	13.0	7.1	6.9	-3.8	8.4	-0.9	24.7	14.8	0.3	
Apr	34.3	-21.8	48.5	20.5	13.5	-30.6	49.9	11.0	80.8	55.4	4.9	
May	27.0	-20.8	35.4	27.7	13.2	-27.5	22.5	12.7	52.7	38.5		
Jun	11.6	-30.5	17.3	10.7	8.7	-37.9	20.9	4.0	23.5	18.6	-5.0	
Jul	6.0	-17.9	8.8	3.7	8.2	-22.8	9.7	1.0	12.9	9.0	-4.0	
Aug	4.3	1.0	5.5	-1.5	5.0	-1.3	4.5	2.0	7.6	4.9	-1.0	
Sep	1.6	-1.8	2.3	-3.8	5.9	-4.3	3.3	3.1	2.2	0.7	-3.4	
Oct		-5.2	0.4	-5.1	7.0	-7.8	0.1	7.0	-2.8	-2.1	-5.0	
Nov	-1.5	-4.0	-2.3	-1.9	6.7	-7.3	-1.3	6.8	-6.6	-4.9	-3.1	
Dec	-2.2	-11.7	-1.7	-4.4	4.6	-16.7	6.6	13.1	-8.8	-6.0	-6.9	
2022 Jan	-1.0 -1.6	-5.2 2.2	-0.9 -2.2	-4.2 -4.9	5.4	-8.2 1.3	4.3	3.1	-4.0 -7.5	-1.8 -4.2	-2.6 -0.9	
Feb	-1.6	2.2	-2.2	-4.9	4.0	1.3	0.3	5.3	-7.5	-4.2	-0.9	
Mar	-2.5	1.7	-3.3	-5.6	4.5	-0.5	3.9	2.0	-8.4	-4.4	-1.4	
Apr	-2.2	18.6	-4.3	-7.3	8.4	23.1	1.3	3.2	-9.0	-7.0	2.2	
May	-3.5	15.2	-4.7	-12.2	7.3	18.4	-0.4	-1.7	-5.8	-7.9	-3.0	
Jun	-1.8	25.0	-4.7	-2.1	5.8	35.5	-2.2	2.4	-5.9	-9.2	5.2	
Jul	-2.7	11.8	-5.2	1.0	2.8	16.9	-3.9	-0.8	-5.6	-7.7	4.0	
Aug	-4.3	-10.0	-6.2	3.7	4.8	-11.1	-2.9	-2.3	-7.9	-7.3	-1.2	
Sep	-3.1	-4.7	-5.8	7.4	6.5	-4.8	-5.5	0.6	-7.5	-8.8	2.1	
	-2.4	-4.5	-4.6	9.7	1.9	-4.4	-4.9	-0.3	-4.0	-9.0	3.8	

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.

Section B-C-D-IE B C D E 08 MIG-CD MIG-CD MIG-CD MIG-CAD MIG-C				Broad inc	ustry groups			Main industrial groupings					
Latest weight 10000 78 724 1097 874 658 666 1938 2893 2430 2201			-	Manufacturing	gas, steam and	sewerage and waste				Capital goods		Energy	
Region R	Section	B+C+D+E	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Percentage change, latest month on previous month	Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1	
2020 Ag	_	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K240	K24T	
Sep	Percentage cha	nge, latest mont	h on previous	month									
Oci 1.0 27 1.4 3.2 1.8 3.3 1.5 0.3 1.6 2.4 1.2 Nov 1.6 3.3 2.5 0.4 0.6 4.1 3.4 0.07 4.6 2.8 1.5 Nov 1.6 3.3 2.5 0.4 0.6 4.1 3.4 0.07 4.6 2.8 1.5 Nov 1.6 0.3 0.3 2.8 2.8 7.6 8.2 0.9 0.7 0.8 3.8 1.5 Nov 1.6 N	2020 Aug	1.9		3.1	1.4			3.8		6.4	2.6	-1.3	
Nov			-2.1 2.7										
2021 Ian	Nov	1.6	-3.3	2.5	-0.4	0.6	-4.1	3.4	-0.7	4.6	2.8	-1.3	
Feb 0.4 6.7 0.9 1.0 1.3 7.9 2.7 0.2 22 0.2 0.1 1.4 Mar 0.9 1.5 1.2 0.2 4.7 0.4 22 2.4 2.2 0.9 0.9 0.9 0.9 0.4 Apr 0.9 1.5 1.0 2 4.7 0.4 22 2.4 2.2 0.9 0.9 0.9 0.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0													
Mar			-2.1 -6.7	-2.3 0.9		-0.2 1.3	-4.4 -7.9	3.9 2.7	0.4 0.2		-2.4 0.2	-1.5 -1.5	
May 1.7 4.5 0.6 8.1 0.2 5.5 1.0 5.6 3.4 0.6 6.5 1.0 Jun 1.9 4.5 0.6 0.8 1.0 2.3 1.128 3.8 4.5 0.6 0.9 4.5 1.0 Jun 1.9 4.2 0.9 -7.8 2.3 1.128 3.8 4.5 0.6 0.9 4.5 1.0 Jun 1.9 4.8 0.5 2.3 1.12 1.7 9 1.1 1 1 1.1 1.4 1.1.6 2.4 1.2 1.8 1.2 1.2 1.2 1.3 1.4 1.5 1.2 1.2 1.2 1.3 1.4 1.5 1.2 1.2 1.2 1.3 1.3 1.5 1.2 1.2 1.3 1.3 1.5 1.2 1.2 1.3 1.3 1.5 1.2 1.2 1.3 1.3 1.5 1.2 1.2 1.3 1.3 1.5 1.2 1.2 1.3 1.3 1.5 1.2 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3	Mar	0.9	1.5	1.2	-0.7	0.4	2.2	-2.4	2.2	0.9	0.9	0.1	
Juli 1-19 - 92 - 09 - 7.8 - 23 - 12.8 - 3.8 - 4.5 - 0.6 - 0.9 - 6.5 - 6.5 - 6.9 - 6.5 - 6.	Apr May										1.4		
Aug 0.3 14.1												-6.5	
Sep				-0.5					2.1			2.4	
Oct				-0.5	-3.6 -2.0			-1.1 -0.7	-0.5			1.8 -2.6	
Dec 0.1 3.2 0.2 0.1 0.7 3.3 -0.9 5.0 -1.7 -1.9 -0.5 Dec 0.1 3.2 0.2 0.1 0.7 3.3 -0.9 5.0 -1.7 -1.9 -0.5 2022 Jan	Oct	-0.7	-0.7	-0.5	-4.5	2.9	-0.5	-1.6	3.5	-3.3	-0.4	-2.9	
Feb												-0.3	
Mar - 1.01.4 0.9 0.4 1.2 -1.0 - 0.7 -0.7 -0.4 Apr -0.2 -2.3 -0.7 2.1 2.3 -1.8 -3.3 0.9 -1.5 -1.4 1.0 May 0.4 1.4 0.1 2.5 -0.8 1.5 -0.7 0.6 - 0.3 0.5 1.3 Jul -0.3 -1.4 -0.8 2.8 0.9 -0.2 2.0 -0.5 0.6 -2.3 1.5 Jul -0.3 -1.4 -0.8 2.8 0.9 -0.2 2.0 -0.5 0.6 - 2.3 1.5 Jul -0.3 -1.4 -0.8 2.8 0.9 -0.2 2.0 -0.5 0.6 -2.3 1.5 Jul -0.6 5.0 -1.0 0.1 -2.3 5.9 -0.9 -1.1 -1.1 -0.1 1.2 Aug -1.4 -8.2 -1.1 -1.5 0.3 10.31.5 -1.5 -1.5 -1.5 0.3 10.31.5 -1.5 -1.5 -1.5 0.3 10.31.5 -1.5 -1.5 -1.5 0.3 10.31.5 -1.5 -1.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.5 0.7 -2.4 -1.6 -0.1 -1.0 2.5 0.3 -0.7 -1.5 Oct - 0.7	2022 Jan		5.2				5.3				1.9	2.9	
Apr		-0.3		-0.5						-1.5		0.3	
Jun					2.1	2.3		-3.3	0.9	-1.5	-1.4	1.0	
Jul										0.6		0.9 1.3	
Aug			5.0	-1.0	0.1	-2.3	5.9	-0.9	-1.1	-1.1		1.2	
Percentage change, latest 3 months on same 3 months a year ago ² 2020 Aug 22 3.9 0.3 10.5 5.2 4.2 3.2 6.6 6.3 4.2 4.7 Sep 4.7 2.0 4.2 12.1 5.8 -2.4 0.9 7.4 -0.3 8.0 3.6 Cot 5.7 3.1 6.1 8.8 6.0 -3.3 1.1 6.9 3.1 10.0 17 Nov 6.4 -3.7 7.9 3.3 6.8 -4.0 1.7 5.5 6.6 12.6 1.1 Dec 7.3 0.4 9.0 1.0 8.3 1.3 -0.3 5.0 8.8 13.8 -1.1 Sep 5.6 -3.7 6.1 6.6 8.1 3.0 8.6 -0.6 -0.6 4.1 8.4 1.9 7.1 10.1 -0.1 Mar 6.2 6.0 7.1 8.1 7.1 -7.0 2.8 0.1 11.0 10.4 -0.4 Apr 14.9 -12.3 19.3 12.0 9.2 -16.4 16.4 2.6 31.0 10.4 -0.4 May 23.1 -15.4 30.7 18.2 11.1 -21.2 24.6 7.4 49.2 34.3 18.6 Aug 7.2 -16.2 10.3 4.2 7.3 -2.1 3 11.3 2.3 14.3 10.6 3.4 2 7.3 Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 20.7 7.3 4.8 -2.6 Cot 1.9 -2.0 2.7 -3.4 6.0 4.5 2.6 1.1 3.7 7.7 -6.5 4.3 4.2 2.2 1.1 -3.1 Nov -3.7 0.1 -3.6 6.5 -4.3 7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 Dec -1.3 -7.0 -1.6 -3.5 5.6 6.7 12.6 1.6 1.1 -7.7 6.8 -4.0 0.2 0.2 0.2 0.1 -3.3 -3	Aug	-1.4	-8.2		-1.0	0.8	-10.3	-	-1.5	-1.1	-0.8	-3.3	
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Mar 6.2 -6.0 7.1 8.1 7.1 -7.0 2.8 0.1 11.0 10.4 -0.4 Apr 14.9 -12.3 19.3 12.0 9.2 -16.4 16.4 2.6 31.0 23.5 -0.6 May 23.1 -15.4 30.7 18.2 11.1 -21.2 24.6 7.4 49.2 34.3 18. Jun 23.6 -24.5 32.5 19.5 11.7 -32.0 29.6 9.2 48.9 35.9 -0.1 Jul 14.3 -23.1 19.5 13.6 10.0 -29.4 17.3 5.8 27.7 20.9 -1.5 Aug 7.2 -16.2 10.3 4.2 7.3 -21.3 11.3 2.3 14.3 10.6 34. Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 44.3 10.6 34. Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 4.8 -2.6 Oct 1.9 -2.0 2.7 -3.4 6.0 -4.5 2.6 4.0 2.2 1.1 -3.1 Nov 3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 3.8 Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 2022 Jan -1.6 -7.0 -1.6 -3.5 5.6 -10.9 3.1 7.7 -6.5 4.3 4.2 Feb -1.6 -5.1 -1.6 -4.5 4.7 -8.3 3.7 7.2 -6.8 -4.0 -3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -1.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.8 3.5 -8.3 -5.2 -1.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.8 3.5 -8.3 -5.2 -1.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.0 -3.0 -0.3 -6.5 -8.1 2.6 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6												-0.7 -0.1	
May 23.1 -15.4 30.7 18.2 11.1 -21.2 24.6 7.4 49.2 34.3 1.8 Jun 23.6 -24.5 32.5 19.5 11.7 -32.0 29.6 9.2 48.9 35.9 -0.1 Jul 14.3 -23.1 19.5 13.6 10.0 -29.4 17.3 5.8 27.7 20.9 -1.5 Aug 7.2 -16.2 10.3 4.2 7.3 -21.3 11.3 2.3 14.3 10.6 -3.4 Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 4.8 -2.6 Oct 1.9 -2.0 2.7 -3.4 6.0 -4.5 2.6 4.0 2.2 1.1 3.1 Nov 3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 1.1 Nov 3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 3.8 Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 2022 Jan -1.6 -7.0 -1.6 -3.5 5.6 -10.9 3.1 7.7 -6.5 4.3 4.2 Feb -1.6 -5.1 -1.6 -4.5 4.7 -8.3 3.7 7.2 -6.8 4.0 3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -1.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.6 1.1 -7.7 -6.4 -0.8 Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 1.3 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.0 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 -4.0 Sep -3.4 -1.4 -5.7 -4.0 -4.7 -0.4 -4.1 -0.9 -7.0 -8.0 -4.0	Mar	6.2	-6.0	7.1	8.1	7.1	-7.0	2.8	0.1	11.0	10.4	-0.4	
Jun 23.6 -24.5 32.5 19.5 11.7 -32.0 29.6 9.2 48.9 35.9 -0.1 Jul 14.3 -23.1 19.5 13.6 10.0 -29.4 17.3 5.8 27.7 20.9 -1.5 Aug 7.2 -16.2 10.3 4.2 7.3 -21.3 11.3 2.3 14.3 10.6 -3.4 Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 4.8 2.6 Oct 1.9 -2.0 2.7 -3.4 6.0 -4.5 2.6 4.0 2.2 1.1 -3.1 Nov - -3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 3.8 Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 2022 Jan -1.6 -7.0 -1.6												-0.6 1.8	
Aug 7.2 -16.2 10.3 4.2 7.3 -21.3 11.3 2.3 14.3 10.6 34 Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 4.8 -2.8 Oct 1.9 -2.0 2.7 -3.4 6.0 -4.5 2.6 4.0 2.2 1.1 -3.1 Nov - -3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 -3.8 Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.6 2022 Jan -1.6 -7.0 -1.6 -3.5 5.6 -10.9 3.1 7.7 -6.5 -4.3 -4.2 Feb -1.6 -5.1 -1.6 -4.5 4.7 -8.3 3.7 7.2 -6.8 -4.0 -3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6												-0.1	
Sep 3.9 -6.6 5.5 -0.6 6.4 -9.9 5.8 2.0 7.3 4.8 -2.8 Oct 1.9 -2.0 2.7 -3.4 6.0 -4.5 2.6 4.0 2.2 1.1 -3.1 Nov - -3.7 0.1 -3.6 6.5 -6.5 0.7 5.6 -2.5 -2.2 -3.8 Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 2022 Jan -1.6 -7.0 -1.6 -3.5 5.6 -10.9 3.1 7.7 -6.5 -4.3 -4.2 Feb -1.6 -5.1 -1.6 -4.5 4.7 -8.3 3.7 7.2 -6.8 -4.0 -3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3												-1.5	
Oct 1.9	Aug Sep											-3.4 -2.8	
Dec -1.3 -7.0 -1.2 -3.8 6.1 -10.7 1.7 9.0 -6.1 -4.4 -5.0 2022 Jan -1.6 -7.0 -1.6 -3.5 5.6 -10.9 3.1 7.7 -6.5 -4.3 4.2 Feb -1.6 -5.1 -1.6 -4.5 4.7 -8.3 3.7 7.2 -6.8 -4.0 -3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -1.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.6 1.1 -7.7 -6.4 Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 1.3 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.0 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6	Oct		-2.0	2.7	-3.4	6.0	-4.5	2.6	4.0	2.2	1.1	-3.1	
Feb -1.6 -5.1 -1.6 -4.5 4,7 -8.3 3,7 7.2 -6.8 -4.0 -3.5 Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -6.0 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.6 1.1 -7.7 -6.4 -0.8 Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 1.3 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.0 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6		-1.3										-3.8 -5.0	
Mar -1.7 -0.5 -2.1 -4.9 4.6 -2.6 2.8 3.4 -6.7 -3.5 -1.6 Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -1.6 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.6 1.1 -7.7 -6.4 -0.6 Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 13 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.6 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6												-4.2	
Apr -2.1 6.9 -3.3 -6.0 5.6 6.9 1.8 3.5 -8.3 -5.2 -8.3 May -2.7 11.3 -4.1 -8.5 6.7 12.6 1.6 1.1 -7.7 -6.4 -0.8 Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 1.3 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.0 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6												-3.5 -1.6	
Jun -2.5 19.4 -4.6 -7.3 7.2 25.2 -0.5 1.3 -6.9 -8.0 1.4 Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.0 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6	Apr	-2.1	6.9	-3.3	-6.0	5.6	6.9	1.8	3.5	-8.3	-5.2	-	
Jul -2.7 17.0 -4.9 -4.7 5.3 22.9 -2.2 -0.1 -5.8 -8.3 2.6 Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6												-0.8 1.4	
Aug -2.9 7.3 -5.4 0.8 4.5 11.0 -3.0 -0.3 -6.5 -8.1 2.6 Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6													
Sep -3.4 -1.4 -5.7 4.0 4.7 -0.4 -4.1 -0.9 -7.0 -8.0 1.6 Oct -3.3 -6.5 -5.5 6.9 4.4 -6.8 -4.4 -0.7 -6.5 -9.4 1.5	Aug	-2.9	7.3	-5.4	0.8	4.5	11.0	-3.0	-0.3	-6.5	-8.1	2.6	
	Sep Oct	-3.4 -3.3	-1.4 -6.5	-5.7 -5.5	4.0 6.9	4.7 4.4	-0.4 -6.8	-4.1 -4.4	-0.9 -0.7	-7.0 -6.5	-8.0 -8.4	1.6 1.5	

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

 $^{^\}dagger$ indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

continued								Seasonally adjusted 2019 = 100				
			Broad ind	ustry 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	В	С	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG	
Latest weight	1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1	
3	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
Percentage cha	nge, latest 3 mo	nths on previo	ous 3 months ²									
2020 Aug Sep Oct Nov Dec	14.0 18.1 10.9 6.0 4.1	3.9 -2.9 -7.1 -6.5 -1.8	17.6 24.3 15.1 9.0 5.9	8.0 9.8 5.1 0.3 -1.8	5.6 6.1 3.8 0.8 2.3	2.1 -5.8 -8.7 -7.5 -1.6	16.9 25.9 13.9 8.7 2.4	5.3 7.7 2.3 -1.0 -2.4	27.5 37.0 24.1 15.0 10.5	19.6 25.8 16.0 10.5 7.4	3.8 3.0 0.1 -1.8 -1.3	
2021 Jan Feb Mar Apr May Jun	2.7 1.1 -0.1 -0.1 0.8 0.6	0.5 0.1 -3.9 -10.7 -13.1 -17.5	3.4 0.6 -0.7 0.1 1.3 1.4	2.9 3.9 4.0 6.0 6.6	2.8 4.1 2.9 1.9 0.3 0.1	0.5 -5.6 -13.5 -16.5 -22.3	-2.4 0.1 0.4 0.4	-1.9 -1.1 0.4 1.6 4.2 3.4	6.5 2.4 -0.1 0.2 -0.6 -1.5	4.2 0.2 -1.6 -0.6 1.4 2.2	-0.1 0.9 -0.4 -2.1 -1.1	
Jul Aug Sep Oct Nov Dec	0.4 -0.8 -0.7 -1.1 -1.1	-7.8 2.9 20.0 18.4 7.5 -2.3	0.4 -0.7 -1.1 -1.1 -1.1 -0.9	3.9 -4.8 -8.6 -10.7 -7.2 -5.0	1.1 2.0 1.0 - 0.1 2.0	-11.1 2.0 24.9 23.6 9.8 -2.5	2.5 4.4 2.7 -0.3 -1.6 -1.5	3.7 0.3 0.7 0.7 2.2 4.2	-3.6 -2.4 -1.3 -0.6 -1.9 -3.3	0.7 -1.5 -3.0 -3.1 -2.2 -2.0	0.7 -1.4 0.2 -1.6 -2.3 -3.6	
2022 Jan Feb Mar Apr May Jun	-0.8 -0.5 -0.6 -0.6 -0.4 -0.2	-4.7 -1.4 2.8 2.7 1.9 -1.0	-1.0 -1.1 -1.6 -1.6 -1.3 -1.1	-0.1 1.9 2.7 1.3 1.6 3.9	2.4 2.2 1.5 1.9 2.3 2.6	-6.2 -1.9 3.0 3.7 2.5 -0.1	0.5 0.5 1.2 -0.8 -1.6 -2.8	1.5 0.3 -4.7 -2.4 -1.6 1.3	-2.6 -2.1 -0.7 -1.7 -1.6 -1.8	-1.3 -1.7 -0.7 -1.6 -1.2 -2.6	-1.3 1.3 3.1 2.2 1.7 1.8	
Jul Aug Sep Oct	-0.2 -1.0 -1.5 -1.7	0.9 -0.8 -1.0 -5.3	-1.3 -2.0 -2.3 -1.8	5.4 4.9 2.6 0.2	0.8 -0.2 -1.4 -0.8	2.2 0.5 -0.7 -6.3	-1.6 -0.3 -1.0 -2.6	0.2 -1.0 -1.4	-1.0 -1.0 -1.4 -1.4	-2.6 -3.2 -2.9 -3.2	2.7 1.9 0.4 -2.0	

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

 $^{^\}dagger$ 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 Output Outpu

	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
Section	CA	CB	CC	CD	CE	CF
	110.8	25.5	48.0	14.2	44.3	49.0
Latest weight	K22B	K22P	K22T	K22X	K22Z	K239
2017	86.9	89.1	91.4	87.0	80.5	91.7
2018	98.5	92.9	95.0	73.6	87.7	92.8
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020 2021	103.4 108.8	72.3 78.9	92.4 101.0	81.2 80.7	105.3 109.1	118.4 123.2
2021 Q3 Q4	110.3 110.8	79.7 79.4	101.1 100.5	87.8 85.7	108.4 110.8	119.8 135.0
2022 Q1	111.6	77.6	100.3	92.2	110.6	112 (
Q2 Q2	112.0	77.6 78.2	99.4	92.2 94.6	110.6 106.4	113.9 116.2
Q3	111.1	74.8	96.5	83.7	101.8	115.1
2021 Aug	110.2	79.6	99.6	89.6	108.8	120.5
Sep Oct	109.8 110.8	79.9 79.4	101.7 101.1	85.4 84.4	107.2 110.2	119.1 130.9
Nov Dec	110.9 110.7	79.0 79.7	100.5 99.9	86.4 86.4	110.6 111.7	127.1 147.0
2022 Jan	111.4	78.9	99.8	88.5	113.3	110.2
Feb	111.5	75.9	100.5	91.6	109.1	118.3
Mar Apr	111.9 111.7	78.0 81.5	100.6 99.9	96.5 96.8	109.3 107.9	113.3 113.4
May	112.4	79.6	100.8	97.2 89.9	108.2	116.7 118.6
Jun	111.9	73.5 73.7	97.4 98.6	83.3	103.0 102.0	114.8
.hul	111.3			00.0		
Jul Aug	111.3 111.3	74.2	95.9	84.4	103.3	110.1
				84.4 83.3 84.4	103.3 100.2 100.5	110.1 120.4 130.4
Aug Sep Oct	111.3 110.7	74.2 76.6 74.9	95.9 95.0	83.3	100.2	120.4
Aug Sep Oct Percentage cha	111.3 110.7 110.9 ange, latest year or	74.2 76.6 74.9 n previous year 4.9	95.9 95.0 94.1	83.3 84.4	100.2 100.5	120.4 130.4 -2.0
Aug Sep Oct Percentage cha 2017 2018	111.3 110.7 110.9 ange, latest year or -4.0 13.4	74.2 76.6 74.9 n previous year 4.9 4.3	95.9 95.0 94.1 0.4 3.9	83.3 84.4 -7.2 -15.4	100.2 100.5 -5.1 8.9	120.4 130.4 -2.0 1.2
Aug Sep Oct Percentage cha 2017 2018 2019 2020	111.3 110.7 110.9 ange, latest year or	74.2 76.6 74.9 n previous year 4.9	95.9 95.0 94.1	83.3 84.4	100.2 100.5	120.4
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3	-7.2 -15.4 35.8 -18.8	-5.1 8.9 14.1 5.3	120.4 130.4 -2.0 1.2 7.8 18.4
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2 ange, latest month	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3	-7.2 -15.4 35.8 -18.8 -0.6	100.2 100.5 -5.1 8.9 14.1 5.3 3.6	120.4 130.4 -2.0 1.2 7.8 18.4 4.1
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear agu	-7.2 -15.4 35.8 -18.8 -0.6	-5.1 8.9 14.1 5.3 3.6	120.4 130.4 -2.0 1.2 7.8 18.4 4.1
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear ag:	-7.2 -15.4 35.8 -18.8 -0.6	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8	120.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6
Aug Sep Oct Percentage char 2017 2018 2019 2020 2021 Percentage char 2020 Aug Sep Oct Nov Dec	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a ye -22.0 -27.0 -26.2 -20.3 -12.9	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear ag: -5.1 -3.8 -3.4 0.5	-7.2 -15.4 35.8 -18.8 -0.6	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5	120.4 130.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4
Aug Sep Oct Percentage cha 2017 2018 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear ag:	-7.2 -15.4 35.8 -18.8 -0.6	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8	-2.0 120.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a ye -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear agc -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1	120.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear age -5.1 -3.8 -0.5 0.9 -1.9 -0.3 6.1 51.8	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4	100.2 100.5 -5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5	120.4 130.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 -1.3 -15.3
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Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear ags -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8	100.2 100.5 -5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 -12.6 8.2 11.6 6.2	120.4 130.4 130.4 -2.0 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 -1.3 -1.5 3.4.0 -9.7
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun	111.3 110.7 110.9 ange, latest year of -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear age -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8	100.2 100.5 -5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5	120.4 130.4 130.4 130.4 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 1.3 15.3 4.0 9.7
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 7.2	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear ags -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 40.9	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 21.6 6.6	100.2 100.5 -5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5	120.4 130.4 130.4 130.4 12.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 -1.3 -1.3 -1.5 -1.3 -1.3 -1.3
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Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan 2022 Jan 2022 Jan 2022 Jan 2022 Jan 2022 Jan 2024 2025 2022 Jan 2025 2025 2025 2025 2025 2025 2025 202	111.3 110.7 110.9 lange, latest year or or -4.0 13.4 1.5 3.3 5.2 lange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 4.9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 2.0 1.3 7.7 7.2 3.4 0.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear age -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 2.1 6.6 611.7 13.2	100.2 100.5 -5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5	120.4 130.4 130.4 130.4 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 -1.3 -15.3 4.0 -9.7
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mor Feb	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 2.9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 2.0 1.3 7.7 7.2 3.4 0.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear agu -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5 0.4	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 2.1 6.6 11.7 13.2	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5	120.4 130.4 130.4 130.4 130.4 12.2 7.8 18.4 4.1 17.0 6.2 1.3 1.5.3 4.0 9.7 4.8 1.3 2.1 15.0 13.9 30.5
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Aug Sep Oct Percentage char 2017 2018 2019 2020 2021 Percentage char 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr Apr May	111.3 110.7 110.9 linge, latest year or or -4.0 13.4 1.5 3.3 5.2 linge, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 2.9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a ye -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 7.2 3.4 0.7	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear age -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5 0.4 0.7 -0.2 -3.0 -2.2	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 2.1 6.6 11.7 13.2	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5 5.5 1.8 3.1 -3.2 -0.4	120.4 130.4 130.4 130.4 130.4 130.4 12.2 18.4 17.0 12.6 18.4 17.0 6.2 1.3 1.5 1.3 1.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 1.3 2.1 2.1 2.1 3.1 3.1 4.1 3.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4.1 4
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 4.2,9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 1.1 2.0 1.3 1.3 7.7 7.2 3.4 1.1 1.1 1.1 1.1	95.9 95.0 94.1 0.4 3.9 5.3 7.6 9.3 ear ags -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5 0.4 0.7 -0.5 0.9	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 2.1 6.6 11.7 13.2 31.4 38.2 44.0 33.5 17.2 -1.5	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5 5.5 1.8 3.1 -3.2 -0.4 -7.2	120.4 130.4 130.4 130.4 130.4 12.2 7.8 18.4 4.1 17.0 6.2 13.3 15.3 2.1 15.0 13.9 30.5 14.8 1.3 2.1 15.0 13.9 30.5
Aug Sep Oct Percentage chare 2017 2018 2019 2020 2021 Percentage chare 2020 2021 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Z022 Z022 Z022 Z022 Z023 Z024 Z026 Z027 Z027 Z028 Z028 Z029 Z020 Z	111.3 110.7 110.9 linge, latest year or or -4.0 13.4 1.5 3.3 5.2 linge, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 4.9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a ye -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 7.2 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 1.3 7.7 7.7 2.0 2.0 1.3 7.7 7.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	95.9 95.0 94.1 0.4 3.9 5.3 -7.6 9.3 ear age -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5 0.4 0.7 -0.5 0.4 0.7 -0.2 -3.0 -3.2 -3.5 -3.2 -3.3 -3.3 -3.3 -3.4 -3.4 -3.5 -3.8 -3.4 -3.5 -3.8 -3.4 -3.5 -3.8 -3.4 -3.5 -3.8	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 -23.2 25.2 2.1 6.6 11.7 13.2 -31.4 38.2 44.0 33.5 17.2 -1.5	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5 5.5 1.8 3.1 -3.2 -0.4 -7.2	120.4 130.4 130.4 130.4 130.4 1.2 7.8 18.4 4.1 30.0 21.2 17.7 12.6 18.4 17.0 6.2 -1.3 -15.3 4.0 -9.7 -4.8 -1.3 2.1 15.0 13.9 30.5
Aug Sep Oct Percentage cha 2017 2018 2019 2020 2021 Percentage cha 2020 Aug Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun 2020 Jan Feb Mar Apr May Jun	111.3 110.7 110.9 ange, latest year or -4.0 13.4 1.5 3.3 5.2 ange, latest month 7.2 7.3 7.5 7.9 5.1 2.0 0.5 0.4 18.3 14.8 9.6 3.7 3.4 2.2 2.4 4.2,9 5.3	74.2 76.6 74.9 n previous year 4.9 4.3 7.6 -27.7 9.1 on same month a year -22.0 -27.0 -26.2 -20.3 -12.9 -13.4 -19.7 6.4 134.5 58.1 15.7 2.0 1.3 7.7 1.1 2.0 1.3 1.3 7.7 7.2 3.4 1.1 1.1 1.1 1.1	95.9 95.0 94.1 0.4 3.9 5.3 7.6 9.3 ear ags -5.1 -3.8 -3.4 0.5 0.9 -1.9 -0.3 6.1 51.8 40.9 19.5 7.5 5.0 4.8 2.7 -0.7 -0.5 0.4 0.7 -0.5 0.9	-7.2 -15.4 35.8 -18.8 -0.6 -27.2 -12.7 -26.5 -28.5 -30.2 -34.9 -35.5 -29.0 -1.4 17.7 30.8 23.2 25.2 2.1 6.6 11.7 13.2 31.4 38.2 44.0 33.5 17.2 -1.5	-5.1 8.9 14.1 5.3 3.6 6.9 5.7 10.2 18.8 12.5 3.1 4.5 - 12.6 8.2 11.6 6.2 3.1 1.5 -0.7 -3.3 -1.5 5.5 1.8 3.1 -3.2 -0.4 -7.2	120.4 130.4 -2.0 1.2 7.8 18.4 4.1

¹ 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.

Output of the Production Industries Chained volume indices of gross value added Output of the Production Industries

	Rubber and plastic products and non-metallic nineral 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
Section	CG	CH	CI	CJ	CK	CL	CM
	52.8	81.3	50.5	18.0	54.6	108.3	67.4
Latest weight	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2017	93.1	101.6	99.6	90.2	99.3	105.9	98.0
2018	97.5	102.8	101.3	91.7	109.7	103.6	102.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	97.1	107.5	97.1	125.8	99.1	91.9	98.8
2021	111.6	118.1	101.5	141.0	127.1	99.0	113.9
2021 Q3 Q4	110.9 109.9	117.4 112.5	101.3 101.1	138.4 133.0	129.6 117.6	97.2 94.7	115.9 114.5
2022 Q1	107.8	112.0	100.3	130.2	119.0	92.7	115.8
Q2	104.3	111.1	96.5	125.4	115.8	93.1	113.6
Q3	101.4	106.8	95.8	122.0	112.7	92.0	111.9
2021 Aug	110.4	117.9	101.2	137.6	129.1	98.5	116.4
Sep	111.3	115.7	101.2	135.9	132.3	96.6	115.5
Oct	110.6	114.2	99.3	134.0	116.6	96.0	115.4
Nov Dec	111.0 108.2	112.8 110.4	101.8 102.2	132.3 132.6	120.1 116.1	94.9 93.2	115.1 113.1
2022 Jan	109.9	112.1	103.1	132.1	123.3	92.3	114.0
Feb	107.2	111.5	98.6	127.3	118.1	92.5	116.8
Mar	106.4	112.5	99.2	131.1	115.5	93.4	116.5
Apr	105.3 105.4	112.5 111.2	96.5 96.0	126.6 124.4	113.8 117.2	93.9 91.5	113.0 113.7
May Jun	102.1	109.5	97.1	125.1	116.4	93.9	114.1
Jul	102.1	109.6	96.3	122.0	114.3	92.5	112.4
Aug	101.2 100.9	107.2 103.6	96.8 94.2	123.0 121.1	112.3 111.4	90.6	112.1 111.2
Sep Oct	101.6	102.3	93.1	120.1	111.4	93.0 95.1	111.0
Percentage cha	nge, latest year on	previous year					
2017 2018	-0.2 4.8	-3.2 1.1	3.4 1.7	3.7 1.7	6.6 10.5	8.9 -2.1	4.6 4.6
2019	2.5	-2.7	-1.2	9.1	-8.9	-3.5	-2.4
2020	-2.9	7.5	-2.9	25.7	-0.9	-8.1	-1.2
2021	14.9	9.9	4.5	12.1	28.3	7.8	15.3
-	nge, latest month		a year ago				
2020 Aug	4.7		0.0	44.0	0.4	4.5	0.0
	6.6	11.2 14.5	3.3 -0.5	41.2 42.0	3.1 8.1	-4.5 6.1	6.3
Sep	6.6 7.7	14.5	-0.5	42.0	8.1	6.1	3.8
	6.6 7.7 10.9						
Sep Oct	7.7	14.5 15.7	-0.5 -3.0	42.0 44.2	8.1 8.9	6.1 6.4	3.8 5.6 6.8
Sep Oct Nov Dec	7.7 10.9 8.8 4.8	14.5 15.7 17.4 18.3	-0.5 -3.0 2.2 -7.9	42.0 44.2 48.5 22.4 24.3	8.1 8.9 15.0 32.8	6.1 6.4 16.6 11.4	3.8 5.6 6.8 8.2
Sep Oct Nov Dec 2021 Jan Feb	7.7 10.9 8.8 4.8 5.7	14.5 15.7 17.4 18.3 10.3 10.2	-0.5 -3.0 2.2 -7.9 -2.2 3.8	42.0 44.2 48.5 22.4 24.3 22.0	8.1 8.9 15.0 32.8 23.3 23.1	6.1 6.4 16.6 11.4 -4.0 0.2	3.8 5.6 6.8 8.2 5.2 5.9
Sep Oct Nov Dec 2021 Jan Feb Mar	7.7 10.9 8.8 4.8 5.7 22.9	14.5 15.7 17.4 18.3 10.3 10.2 17.9	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4	42.0 44.2 48.5 22.4 24.3 22.0 27.5	8.1 8.9 15.0 32.8 23.3 23.1 52.7	6.1 6.4 16.6 11.4 -4.0 0.2 26.4	3.8 5.6 6.8 8.2 5.2 5.9 13.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr	7.7 10.9 8.8 4.8 5.7 22.9 111.2	14.5 15.7 17.4 18.3 10.3 10.2 17.9 53.4	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7
Sep Oct Nov Dec 2021 Jan Feb Mar	7.7 10.9 8.8 4.8 5.7 22.9	14.5 15.7 17.4 18.3 10.3 10.2 17.9	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4	42.0 44.2 48.5 22.4 24.3 22.0 27.5	8.1 8.9 15.0 32.8 23.3 23.1 52.7	6.1 6.4 16.6 11.4 -4.0 0.2 26.4	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4	14.5 15.7 17.4 18.3 10.3 10.2 17.9 53.4 40.0 18.5	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jun Jul Aug Sep	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3	14.5 15.7 17.4 18.3 10.3 10.2 17.9 53.4 40.0 18.5	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 9.9.4	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3	3.8 5.6 6.8 8.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4	3.8 5.6 6.8 8.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 -4.4 -7.2 -11.3	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 18.3 -19.4	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May May May	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6 0.9 -2.8 -8.1 -9.5 -6.3	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3 -7.3 -6.4 -7.1 -7.1 -7.1	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0 2.6 -6.2 -2.0 -3.7 -5.7	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 193.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4 -12.0 -13.2 -12.0 -10.3 -1.8	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4 3.0 4.1 4.3 1.2 0.4
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3 -7.3 -6.4 -7.1 -7.1	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0 2.6 -6.2 -2.0 -3.7	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4 -12.0 -13.2 -12.0 -10.3	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4 4.3 4.3 4.3
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun Jul Jul Jul Jul Jul Jul Jul Jul Jul Ju	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6 0.9 -2.8 -8.1 -9.5 -6.3 -9.0	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3 -7.3 -6.4 -7.1 -7.1 -7.1 -7.5	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0 2.6 -6.2 -2.0 -3.7 -5.7 -4.8	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9 -7.1 -13.1 -9.3 -14.7 -19.4 -11.8	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0 -0.7 -6.5 -13.4 -14.5 -12.2 -12.8	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4 -12.0 -10.3 -12.0 -10.3 -1.8 -3.2	3.8 5.6 6.8 8.2 5.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4 3.4 4.3 4.1 4.3 1.2 0.4 -1.6
Sep Oct Nov Dec 2021 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2022 Jan Feb Mar Apr May Jun	7.7 10.9 8.8 4.8 5.7 22.9 111.2 53.2 21.4 10.3 5.8 4.3 2.3 0.5 -2.6 0.9 -2.8 -8.1 -9.5 -6.3 -9.0	14.5 15.7 17.4 18.3 10.2 17.9 53.4 40.0 18.5 10.8 7.0 -0.8 4.4 -7.2 -11.3 -7.3 -6.4 -7.1 -7.1 -7.1	-0.5 -3.0 2.2 -7.9 -2.2 3.8 6.4 28.6 9.2 10.1 3.4 -0.2 0.7 -2.3 -3.3 7.0 2.6 -6.2 -2.0 -3.7 -5.7 -4.8	42.0 44.2 48.5 22.4 24.3 22.0 27.5 58.7 53.3 24.4 9.6 -2.5 -6.9 -9.4 -14.6 -0.9 -7.1 -13.1 -9.3 -14.7 -19.4 -11.8	8.1 8.9 15.0 32.8 23.3 23.1 52.7 148.9 84.3 31.9 25.8 26.5 23.2 5.1 0.5 -11.0 -0.7 -6.5 -13.4 -14.5 -12.2	6.1 6.4 16.6 11.4 -4.0 0.2 26.4 139.1 93.0 30.7 10.2 0.4 -11.0 -13.0 -18.3 -19.4 -12.0 -13.2 -12.0 -10.3 -1.8 -3.2	3.8 5.6 6.8 8.2 5.9 13.4 49.7 40.0 29.9 17.3 11.1 10.8 9.2 6.4

¹ 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.

Output of the Production Industries Chained volume indices of gross value added

Seasonally adjusted 2019 = 100 Food products, beverages Textiles, wearing apparel and Wood and Coke and Chemicals pharmaceutical paper products refined petroleum and tobacco leather products and printing products products Section СВ CC CD CE CF 110.8 25.5 48.0 18.5 44.3 49.0 Latest weight K22B K22F K22T K22X K22Z K239 Percentage change, latest month on previous month 2020 Aug -0.5 2.7 -2.9 Sep Oct 0.8 0.7 -5.5 -0.2 2.3 1.5 0.1 5.0 -4.4 -2.4 17.0 -5.4 -0.4 -2.5 3.3 2.8 -2.2 -1.3 -2.0 0.9 Nov 3.1 Dec -0.8 -2.0 5.7 2021 -5.7 -1.0 -11.8 -5.4 Jan -2.8 7.4 2.2 -0.2 -1.5 0.1 Feb 1.0 0.3 1.0 -1.1 5.2 Mar 0.9 1.0 2.4 -11.3 Apr May 4.6 2.3 8.3 0.1 Jun -0.6 1.9 -2.2 10.0 2.0 -13.2 1.2 -0.7 -3.7 -0.2 1.0 -2.3 -1.7 -0.3 4.7 0.6 Jul -3.0 1.2 Aua Sep -0.3 0.4 Oct 0.9 -0.6 -0.5-12 28 99 Nov -0.4 -0.6 2.5 0.4 -3.0 0.1 Dec -0.2 0.9 -0.5 1.0 15.7 2022 Jan 0.7 -0.1 -25.0 7.3 -4.2 0.1 Feb -3.7 0.6 3.5 5.3 -3.7 2.7 0.2 0.4 Mar 0.1 -0.2 4.4 -0.6 0.4 -1.2 May 0.6 -2.3 -7.6 0.9 0.4 0.3 3.0 -3.5 -7.5 -4.8 1.6 Jun 0.2 -7.3 -0.9 Jul -0.5 1.2 -3.2 -2.7 -1.0 1.3 1.2 0.7 Aug -0.6 93 Ser 3.3 0.2 -0.9 1.3 0.3 8.4 Percentage change, latest 3 months on same 3 months a year ago 6.2 -7.6 2020 Aug -27.4 3.8 23.1 -24.3 -25.0 -4.1 -4.1 -22.9 -22.3 -22.9 Sep 7.8 5.8 22.4 7.4 7.6 Oct 7.6 22.9 -24.6 Dec 6.8 -20.0 -0.7 -28.4 13.7 16.2 2021 5.0 -15.7 -0.2 -31.1 -33.4 11.2 16.0 2.5 -15.3 -0.4 6.6 13.5 Feb Mar 0.9 -9.9 -33.3 6.7 Apr May 5.9 16.5 15.5 -24.0 5.6 -3.9 10.8 -6.7 50.5 30.0 6.8 -4.2 Jun 14.1 55.3 36.2 15.4 10.8 -7.0 9.2 21.2 21.2 23.9 -3.5 Jul Aug Sep 5.4 3.1 6.0 3.6 10.3 5.8 26.4 16.1 6.9 3.6 -5.3 -1.4 2.6 5.3 4.2 10.7 1.3 5.1 Nov 2.5 6.1 2.2 6.6 -0.910.2 3.5 3.7 0.5 Dec 10.4 -1.9 19.8 18.2 0.1 12.0 2022 Jan 5.4 3.1 -0.3 6.8 0.2 26.9 7.1 -5.1 7.3 5.1 0.3 Mar 3.3 37.9 3.5 2.2 0.5 -0.8 38.4 -1.2 Apr May 34 -1.8 30.6 -0.2 -5.1 -3.8 -2.9 -3.6 -1.5 Jun 2.0 15.0 -7.0 -8.6 1.5 1.2 -3.0 -3.5 Jul 2.9 -4.7 -4.3 -4.4 -6.2 -3.1 Aug 0.7 -6.1 -5.5 -4.5 -5.7 -4.7 -2.8 -6.0 -3.9 Oct -6.8 -2.6

¹ 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.

Output of the Production Industries Chained volume indices of gross value added Output of the Production Industries

	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products		Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repail
Section	CG	CH	CI	CJ	CK	CL	CM
Latest we	eight 52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
Percenta	age change, latest montl	n on previous mont	h				
2020 Au		2.9	3.3	9.3	0.7	11.9	6.1
Se		5.9	-0.9	3.4	5.3	10.6	-0.6
Oo No		2.4 1.7	1.1 3.6	1.3 4.7	3.2 7.7	1.8 5.2	1.4 2.4
De		2.4	-9.3	-13.6	9.3	-0.4	1.1
2021 Ja	an -1.9	-2.8	5.3	6.3	-4.9	-9.4	1.2
Fe		-1.6	4.6	3.0	1.8	1.6	1.3
Ma	ar 4.9	1.7	-3.7	-1.3	5.6	-0.5	-0.4
Ap		0.1	-1.1	2.7	-0.2	-1.3	-0.1
M	ay -3.4	2.3	1.5	4.0	0.2	-11.0	1.5
Ju	ın -0.1	-2.0	0.3	-8.1	-	4.1	2.3
Ju		-2.5	-0.5	-0.2	-4.4	-0.4	-0.1
Αι		-0.5	-0.3	-2.9	1.3	2.0	0.5
Se		-1.8	-	-1.2	2.5	-2.0	-0.9
O		-1.4	-1.8	-1.4	-11.9	-0.5	-0.1
No De		-1.2 -2.1	2.5 0.3	-1.3 0.2	3.0 -3.3	-1.1 -1.8	-0.2 -1.7
2022 14	16	1.5	1.0	0.4	6.0	1.0	0.0
2022 Ja Fe		1.5 -0.5	1.0 -4.4	-0.4 -3.6	6.2 -4.3	-1.0 0.2	0.8 2.4
Ma		0.9	0.6	3.0	-4.3 -2.2	0.2	-0.2
Ap		0.9	-2.8	-3.5	-2.2 -1.5	0.6	-3.0
	ay 0.1	-1.2	-0.6	-1.7	3.0	-2.6	0.6
Ju	•	-1.6	1.2	0.6	-0.7	2.6	0.3
Ju	ıl -	0.1	-0.8	-2.5	-1.8	-1.5	-1.5
Αι		-2.2	0.5	0.8	-1.7	-2.0	-0.2
Se	ep -0.3	-3.4	-2.7	-1.6	-0.8	2.7	-0.9
O	ct 0.7	-1.2	-1.1	-0.8	-0.4	2.3	-0.1
Percenta	age change, latest 3 mor	nths on same 3 moi	nths a year ago				
2020 Au	uq -0.2	8.5	-1.7	28.2	2.7	-16.2	-0.5
Se		11.4	0.6	37.6	4.7	-4.7	3.7
O		13.8	-0.2	42.5	6.7	2.6	5.2
No		15.9	-0.5	44.9	10.7	9.6	5.4
De	ec 9.1	17.1	-2.9	38.1	18.7	11.4	6.9
2021 Ja	an 8.1	15.2	-2.6	31.4	23.5	7.7	6.7
Fe	eb 6.4	12.9	-2.1	22.9	26.4	2.4	6.4
Ma		12.7	2.6	24.5	32.1	6.0	8.1
Ap		24.7	11.7	34.4	61.4	35.6	
Ma	ay 54.8	35.5	13.9	45.4	87.6	72.7	20.3 32.5
	ay 54.8						32.5
Ma	ay 54.8 In 54.4	35.5 35.8 22.1	13.9 15.2 7.5	45.4 44.2 27.3	87.6 76.2 43.5	72.7 77.4 36.5	32.5 39.3 28.3
Ma Ju Ju Au	ay 54.8 in 54.4 il 26.0 ug 12.2	35.5 35.8 22.1 12.0	13.9 15.2 7.5 4.3	45.4 44.2 27.3 9.5	87.6 76.2 43.5 28.1	72.7 77.4 36.5 12.4	32.5 39.3 28.3 18.9
Ma Ju Ju Au Se	ay 54.8 In 54.4 Il 26.0 Lig 12.2 Epp 6.7	35.5 35.8 22.1 12.0 5.5	13.9 15.2 7.5 4.3 1.3	45.4 44.2 27.3 9.5 -0.3	87.6 76.2 43.5 28.1 25.1	72.7 77.4 36.5 12.4 -0.9	32.5 39.3 28.3 18.9 13.0
Ma Ju Ju Au Se Oo	ay 54.8 In 54.4 Il 26.0 Lug 12.2 ap 6.7 ct 4.1	35.5 35.8 22.1 12.0 5.5 0.4	13.9 15.2 7.5 4.3 1.3 -0.6	45.4 44.2 27.3 9.5 -0.3 -6.3	87.6 76.2 43.5 28.1 25.1 18.0	72.7 77.4 36.5 12.4 -0.9 -8.2	32.5 39.3 28.3 18.9 13.0 10.4
Ma Ju Ju Au Se Oo No	ay 54.8 in 54.4 il 26.0 lug 12.2 ep 6.7 ct 4.1 ov 2.3	35.5 35.8 22.1 12.0 5.5 0.4 -4.2	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4	87.6 76.2 43.5 28.1 25.1 18.0 9.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2	32.5 39.3 28.3 18.9 13.0 10.4 8.8
Mi Ju Au Se Ou No De	ay 54.8 in 54.4 il 26.0 lug 12.2 lep 6.7 lt 4.1 lov 2.3 lec -	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3
Mi Ju Au Se Ou No De	ay 54.8 in 54.4 il 26.0 lug 12.2 epp 6.7 ct 4.1 ov 2.3 ec -	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3
Ma Ju Au Se Oo No De 2022 Ja Fe	ay 54.8 in 54.4 il 26.0 lug 12.2 lepp 6.7 let 4.1 lov 2.3 lee - lepp 1.5 le	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3 4.3
Mi Ju Au Se Oc De 2022 Ja Fe Mi	ay 54.8 In 54.4 Il 26.0 Il 26.0 Il 2.2 Il 2.2 Il 2.2 Il 2.3 Il 2.	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4	32.5 39.3 28.3 18.9 13.0 10.4 8.6 6.3 4.3 3.5 3.8
Mi Ju Au Se Ou No De 2022 Ja Fe Mi Ap	ay 54.8 in 54.4 il 26.0 lug 12.2 lep 6.7 ct 4.1 lov 2.3 lec - lug -1.5 lec -3.5 lec -6.9	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0 -4.0	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0 -11.6	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4 -11.8	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3 4.3 3.5 3.8
Mi Ju Au Se Ou No De 2022 Ja Fe Mi Ap	ay 54.8 in 54.4 il 26.0 lug 12.2 lep 6.7 lt 4.1 lov 2.3 lec - lug 1.5 lu	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3 4.3 3.5 3.8 3.2
M: Jul Au Se Oc Nc De 2022 Jaa Fe M: Ap M: Jul	ay 54.8 in 54.4 il 26.0 lig 12.2 ep 6.7 ct 4.1 lov 2.3 ec - 1.5 er - 3.5 or - 6.9 ay -8.0 in -8.3	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9 -6.9 -8.2 -9.1	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0 -4.0 -3.8 -4.7	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9 -12.4 -14.6 -15.4	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0 -11.6 -13.4	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4 -11.8 -8.3 -5.3	32.5 39.3 28.3 18.9 13.0 10.4 8.6 3 3.5 3.8 3.2 2.0
M: Jul Au Se Oc Nc De 2022 Ja Fe M: Ap M: Ju	ay 54.8 in 54.4 il 26.0 lig 12.2 lep 6.7 let 4.1 lov 2.3 leec - let -1.5 lear -3.5 let -6.9 let -1.8 let -8.3 il -7.8	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9 -6.9 -8.2 -9.1	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0 -4.0 -3.8 -4.7	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9 -12.4 -14.6 -15.4	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0 -11.6 -13.4 -13.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4 -11.8 -8.3 -5.3	32.5 39.3 28.3 18.9 13.0 10.4 8.8 6.3 4.3 3.5 3.8 3.2 2.0
Mi Ju Au Se Oo No De 2022 Ja 2022 Ja Mi Ju Ju	ay 54.8 in 54.4 ii 26.0 lug 12.2 lep 6.7 ltt 4.1 lov 2.3 lec - lug - 1.5 lec	35.5 35.8 22.1 12.0 5.5 0.4 4.2 -7.7 -8.6 -8.4 -6.9 -8.2 -9.1	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0 -4.0 -3.8 -4.7	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9 -12.4 -14.6 -15.4	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0 -11.6 -13.4 -13.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4 -11.8 -8.3 -5.3	
Mi Ju Au Se Oo No De 2022 Jaa 2022 Ja Mi Ap Mi Ju	ay 54.8 III 26.0 III 26.0 III 26.0 III 26.0 III 27.2 III	35.5 35.8 22.1 12.0 5.5 0.4 -4.2 -7.7 -8.6 -8.4 -6.9 -6.9 -8.2 -9.1	13.9 15.2 7.5 4.3 1.3 -0.6 -1.6 0.3 1.9 0.9 -2.0 -4.0 -3.8 -4.7	45.4 44.2 27.3 9.5 -0.3 -6.3 -10.4 -8.6 -7.8 -7.2 -9.9 -12.4 -14.6 -15.4	87.6 76.2 43.5 28.1 25.1 18.0 9.2 -2.2 -3.9 -6.2 -7.0 -11.6 -13.4 -13.2	72.7 77.4 36.5 12.4 -0.9 -8.2 -14.2 -17.0 -16.7 -15.0 -12.4 -11.8 -8.3 -5.3	32. 39. 28. 18. 13. 10. 8. 6. 4. 3. 3. 3. 2.

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

 $^{^\}dagger$ 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 Chained volume indices of gross value added

Seasonally adjusted 2019 = 100 Food products, beverages Textiles, wearing apparel and Wood and paper products Chemicals Coke and pharmaceutical products and refined petroleum and tobacco leather products and printing products products preparations Section СВ CC CD CE CF 110.8 25.5 48.0 18.5 44.3 49.0 Latest weight K22B K22P K22T K22X K22Z K239 Percentage change, latest 3 months on previous 3 months 2020 Aug 6.9 16.1 -10.6 0.7 -0.9 Sep Oct 11.2 6.4 47.0 12.7 27.1 15.0 6.2 10.5 5.0 6.4 -4.3 -7.0 3.2 -1.6 -0.5 8.3 4.7 12.7 2.6 7.6 8.0 -8.6 -7.3 Nov Dec -1.9 1.6 -5.6 4.1 -2.7 2021 Jan 3.8 0.8 -12.6 -13.9 2.5 6.5 1.7 -3.5 -2.8 0.9 1.0 -0.9 Feb -5.4 -3.1 Mar -0.1 Apr May 0.8 -6.9 5.5 8.2 2.4 2.4 6.0 -0.5 5.6 23.0 -1.6 Jun 3.3 3.7 1.8 5.8 1.3 27.7 21.1 1.3 0.8 4.8 -2.0 Jul 8.0 Aug -1.5 6.8 Sep -1.9 -1.3 -1.1 1.5 Oct -2.1 -1.6 1.3 -0.8 Nov 0.3 -4.9 -0.3 6.4 0.3 Dec 0.5 -0.4 -0.5 -2.4 2.3 12.7 3.7 -0.5 -15.6 2022 Jan 0.7 -0.5 -0.7 0.8 2.9 Feb Mar 0.6 -1.6 -2.2 -1.0 -0.2 4.1 7.6 1.9 -0.3 -2.8 0.6 -0.9 0.2 9.0 -10.2 May 0.7 1.9 0.7 0.4 9.0 -2.6 -8.5 2.0 -0.9 2.6 -3.8 Jun

-1.4

-3.2 -2.9

-4.0

0.2

-0.4 -0.8

-0.8

Jul

Aug Sep Oct -3.7

-7.4 -4.3

-0.5

-4.0

-5.3 -4.3

-3.0

1.5

0.1

3.1

-5.1

-11.4 -11.6

-6.8

¹ 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.

OP5 Output of the Production Industries

Chained volume indices of gross value added¹

Seasonally adjusted 2019 = 100 Rubber and Machinery and plastic products Basic metals Computer, equipment not Other electronic and manufacturing and non-metallic and metal Electrical elsewhere Transport mineral products products optical products equipment classified equipment and repair СН CJ CK СМ Section CG CI CL 52.8 81.3 50.5 18.0 54.6 108.3 67.4 Latest weight K23B K23G K23N K23P K23R K23T K23Z Percentage change, latest 3 months on previous 3 months 2020 Aug 33.7 18.3 9.7 25.0 42.8 47.7 15.3 41.2 19.7 23.5 16.1 13.7 6.9 35.1 26.5 36.9 16.6 77.0 50.9 25.8 17.0 Sep Oct 9.3 11.9 5.2 16.7 11.0 28.9 8.6 Nov 5.8 0.8 16.1 16.3 5.0 Dec 2021 Jan 3.6 5.9 -0.7 -1.0 16.8 6.2 4.3 -2.4 -7.2 -2.0 -5.9 12.8 4.5 Feb 1.6 1.9 6.4 3.5 2.2 -0.8 Mar 1.6 -1.2 1.5 3.6 -1.5 1.8 2.0 5.0 -5.8 Apr May 0.5 0.6 5.9 5.0 1.3 Jun 1.7 1.6 -1.0 2.7 4.2 -7.2 1.9 -1.9 0.8 -0.5 -0.3 0.4 -9.7 2.9 Jul. -3.9 -3.1 -2.3 0.5 -5.8 -2.5 3.5 Aug Sep -2.4 -4.0 -6.6 -2.8 -1.1 2.0 Oct -1.0 -4.5 -1.1 -7.0 -4.1 1.5 0.7 Nov -0.3 -4.3 -0.8 -4.5 -5.4 -1.6 -0.6 Dec -0.9 -4.2 -0.2 -3.9 -9.3 -2.6 -1.2 2022 Jan -0.9 -3.6 1.8 -2.6 -4.9 -3.7 -1.4 Feb -2.3 -2.6 0.5 -2.6 -3.1 -3.3 -0.6 Mar -1.9 -0.4 -0.8 -2.1 1.1 -2.1 1.1 -4.2 -4.0 -3.0 1.2 Apr -3.1 0.4 -3.4-0.2-2.6 0.7 -2.5 -3.7 -0.2 May -3.10.3 -2.7 -3.8 -1.9 -3.3 -0.8 0.4 Jun Jul -2.9 -1.8 -1.7 -3.5 0.1 -0.7 -1.8 -3.1 -2.7 Aug -3.6 -3.0 -0.5 -1.0 -0.7 -1.3

-0.8

-1.8

-3.9

-5.2

-2.7

-1.9

Sep

Oct

-2.7

-3.8

-2.0

-1.2

0.3

-1.5

-1.7

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

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