



Please write clearly in block capitals.

Centre number

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

Candidate number

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

Surname

---

Forename(s)

---

Candidate signature

---

I declare this is my own work.

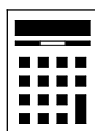
# GCSE MATHEMATICS

# F

Foundation Tier  
First Third

Paper 3 Calculator

November 2024



| For Examiner's Use |      |
|--------------------|------|
| Pages              | Mark |
| 2–3                |      |
| 4–5                |      |
| 6–7                |      |
| 8–9                |      |
| <b>TOTAL</b>       |      |

## Copyright information

For confidentiality purposes, all acknowledgements of third-party copyright material are published in a separate booklet. This booklet is published after each live examination series and is available for free download from [www.aqa.org.uk](http://www.aqa.org.uk).

Permission to reproduce all copyright material has been applied for. In some cases, efforts to contact copyright-holders may have been unsuccessful and AQA will be happy to rectify any omissions of acknowledgements. If you have any queries please contact the Copyright Team.

Copyright © 2024 AQA and its licensors. All rights reserved.

Answer **all** questions in the spaces provided.

**1 (a)** Work out  $\frac{1}{4}$  of 780

**[1 mark]**

Answer \_\_\_\_\_

**1 (b)** Work out the value of  $19^2$

**[1 mark]**

Answer \_\_\_\_\_

**2** Simplify fully  $y + y + y$

**[1 mark]**

Answer \_\_\_\_\_

- 3 (a)** 3 apples cost 96p

Work out the cost, in pounds (£), of 12 of these apples.

**[2 marks]**

---

---

---

Answer £ \_\_\_\_\_

- 3 (b)** In total, the cost of 40 cartons of apple juice and 20 cartons of orange juice is £21.50

Work out the cost of

4 cartons of apple juice and 2 cartons of orange juice.

**[2 marks]**

---

---

---

Answer £ \_\_\_\_\_

**Turn over for the next question**

- 4 (a) Write these numbers in order of size.  
Start with the **smallest** number.

2      1.8      -1      0

[2 marks]

Answer \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

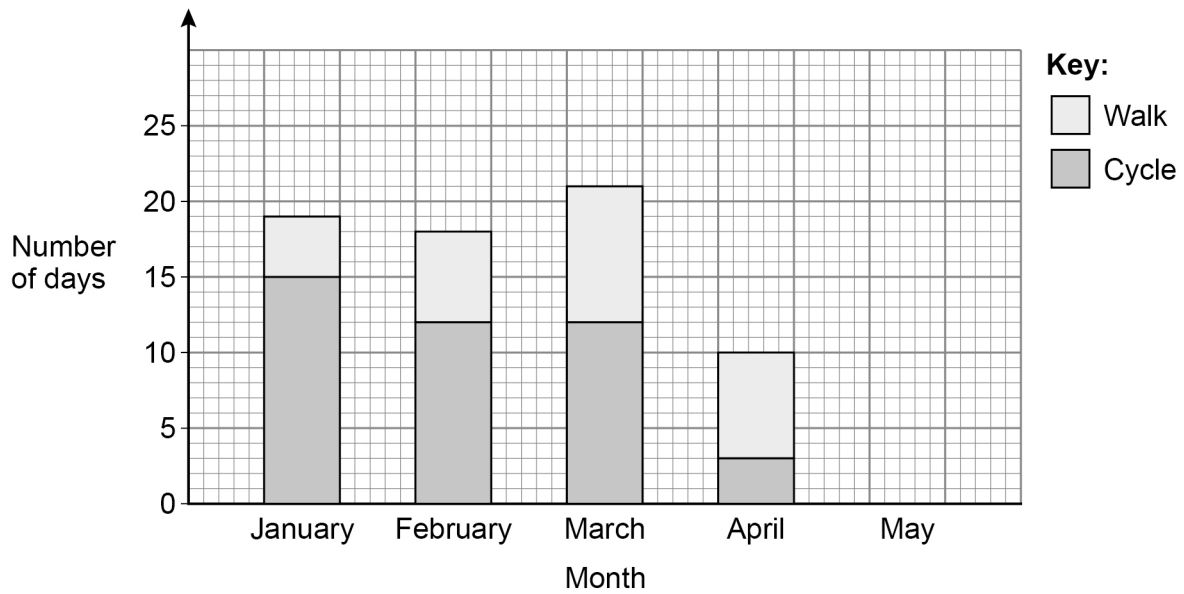
- 4 (b) Write these numbers in order of size.  
Start with the **smallest** number.

$\frac{1}{2}$        $3\frac{1}{10}$        $\frac{1}{4}$        $\frac{7}{8}$

[2 marks]

Answer \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

- 5** The composite bar chart shows some information about how Calum travelled to school.



- 5 (a)** In January, how many days did he walk to school?

[1 mark]

Answer \_\_\_\_\_

- 5 (b)** In which month did he cycle on twice as many days as he walked?

[1 mark]

Answer \_\_\_\_\_

- 5 (c)** In May, Calum went to school on 20 days.

He cycled on  $\frac{1}{4}$  of the days.

He walked on the other days.

Show this information on the bar chart.

[2 marks]

---



---



---

6

Paul leaves home at 7.15 am

He travels to work in 20 minutes.

Does Paul arrive at work by 7.30 am?

Tick a box

Yes

☐

No

☐

Give a reason for your answer.

**[1 mark]**

---

---

---

7

Tyler has £20

A notepad costs £1.30

Work out the greatest number of notepads he can buy.

**[2 marks]**

---

---

---

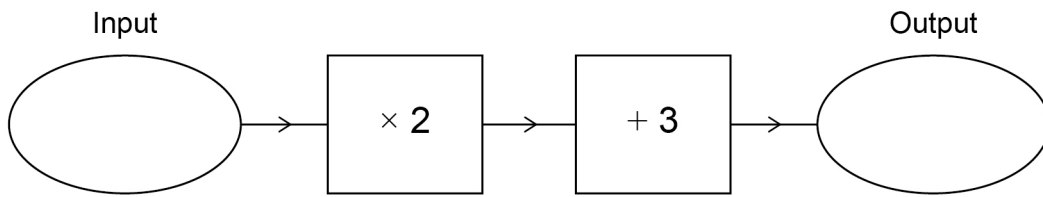
---

---

---

Answer \_\_\_\_\_

8 Here is a number machine.



8 (a) Work out the **output** when the input is 10

[1 mark]

---



---

Answer \_\_\_\_\_

8 (b) Work out the **input** when the output is 17

[1 mark]

---



---



---

Answer \_\_\_\_\_

Turn over for the next question

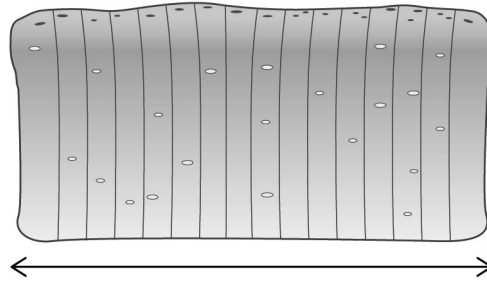
9

A loaf of bread has

14 slices each 12 mm thick

and

2 crusts each 15 mm thick.

Not drawn  
accurately

Work out the total length of the loaf of bread.

Give your answer in **centimetres**.**[3 marks]**

---

---

---

---

---

---

Answer \_\_\_\_\_ cm

**10 (a)** Solve  $\frac{c}{3} = 15$

**[1 mark]**

---

$c =$  \_\_\_\_\_

**10 (b)** Solve  $4(2d - 5) = 28$

**[3 marks]**

---

---

---

---

---

---

$d =$  \_\_\_\_\_