



Please write clearly in block capitals.

Centre number

--	--	--	--	--

Candidate number

--	--	--	--

Surname

Forename(s)

Candidate signature

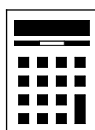
I declare this is my own work.

GCSE MATHEMATICS

F

Foundation Tier Paper 2 Calculator
Final Third

June 2025



For Examiner's Use

Pages	Mark
2–3	
4–5	
6–7	
8–9	
10	
TOTAL	

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.

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 © 2025 AQA and its licensors. All rights reserved.

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

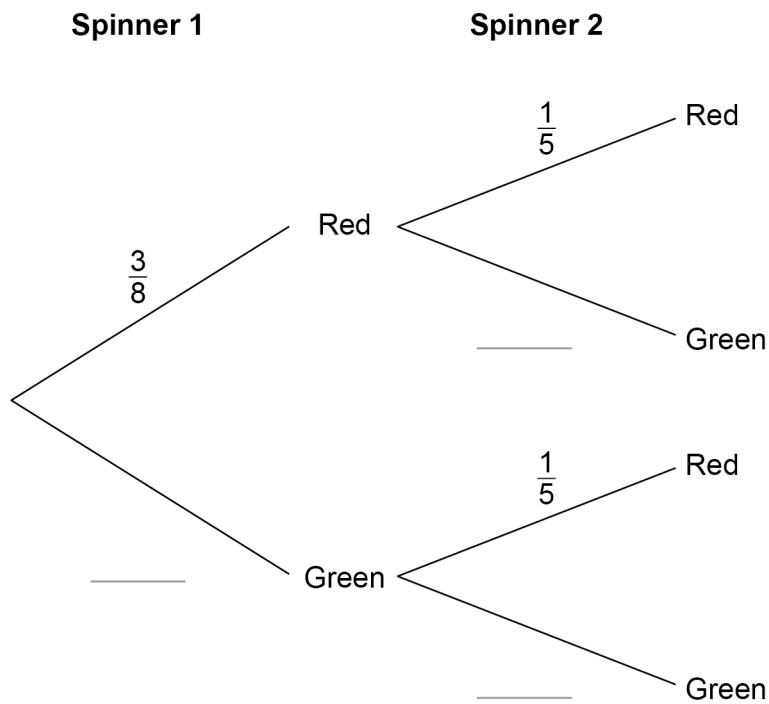
- 19** Two spinners each have only red sections and green sections.

Spinner 1 $P(\text{red}) = \frac{3}{8}$

Spinner 2 $P(\text{red}) = \frac{1}{5}$

- 19 (a)** Complete the tree diagram.

[2 marks]



- 19 (b)** Both spinners are spun.

Work out the probability that **both** spinners land on red.

[1 mark]

Answer _____

20

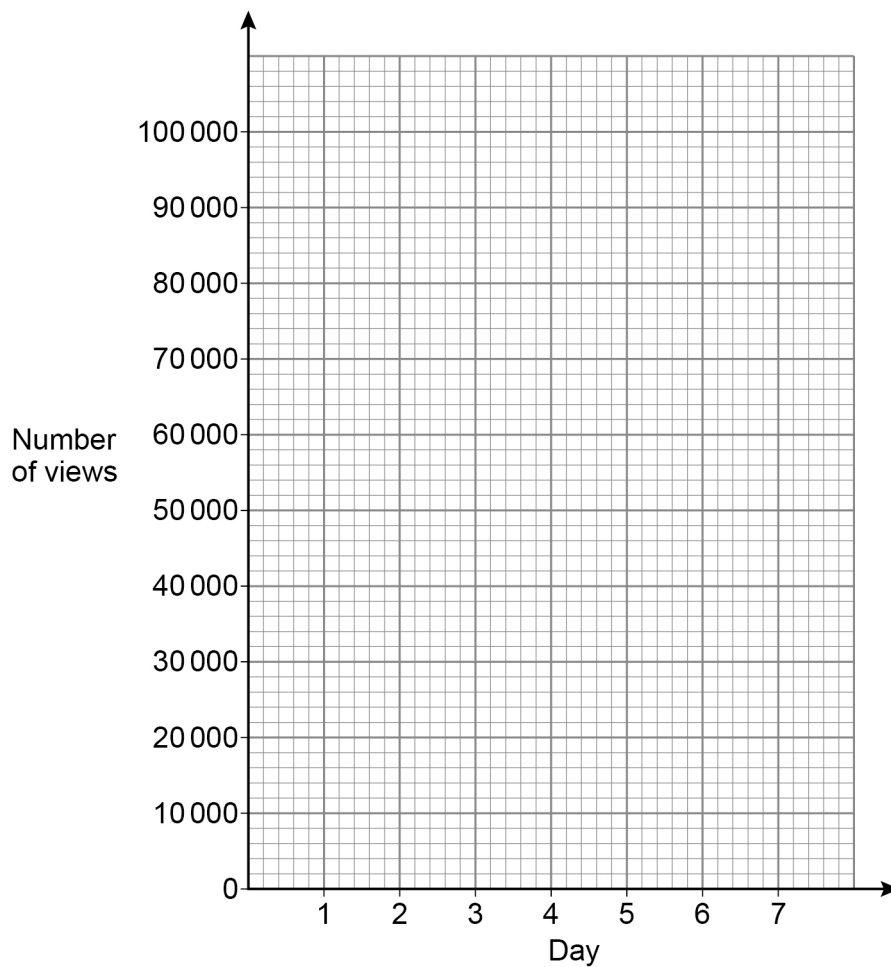
Youssuf posted an advert on his social media channel.

The table shows the number of views of the advert during its first 6 days.

Day	1	2	3	4	5	6
Number of views	49 000	95 000	87 000	77 000	64 000	48 000

20 (a)

On the grid, draw a time series graph to represent the data.

[2 marks]

- 20 (b)** Youssuf receives 0.018p for each view of the advert.
Estimate how much he receives from views of the advert on **day 7**

[3 marks]

Answer £ _____

- 21** 70% of the discs in a box are red and the rest are blue.

- 40% of the red discs are removed.
- 50% of the blue discs are removed.

In total, what percentage of the discs are removed from the box?

[3 marks]

Answer _____ %

22

A group of adults and students go to a theme park.

Here are the prices.

Adult	£24.50
Student	£16.25
One adult free with every 5 students	

In the group there are 48 students.

The total price for the group is £927

How many adults are in the group?

[4 marks]

Answer _____

- 23 (a)** The length of a fence panel is 160 cm to the nearest 10 cm

Complete the error interval.

[2 marks]

Answer _____ cm $\leq$ length < _____ cm

- 23 (b)** A different fence panel measures 2 metres to the nearest 10 cm

Kim says that the total length of **three** of these fence panels must be less than 6.2 m

Show that Kim is correct.

[2 marks]

- 24** Circle the expression which is a factor of $3x + 15$

[1 mark]

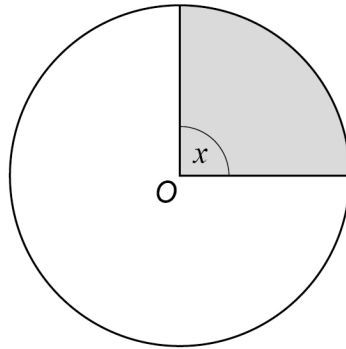
$3x$

$x + 12$

$x + 5$

$x + 15$

25 Here is a circle, centre O.



Not drawn
accurately

25 (a) The circle has a circumference of 20 cm

Assume that angle x is 90°

Work out the shaded area.

Give your answer as a decimal.

[3 marks]

Answer _____ cm^2

25 (b) In fact, angle x is smaller than 90°

What does this mean about the shaded area?

Tick **one** box.

[1 mark]

☐

It is smaller than the answer to part (a)

☐

It is the same as the answer to part (a)

☐

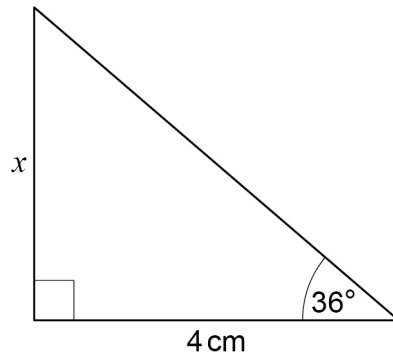
It is larger than the answer to part (a)

☐

It could be any of the above

Turn over for the next question

26

Not drawn
accurately

Use trigonometry to work out the value of x .

You **must** show your working.

[3 marks]

$x =$ _____ cm