



Please write clearly in block capitals.

Centre number

--	--	--	--	--

Candidate number

--	--	--	--

Surname

Forename(s)

Candidate signature

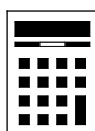
I declare this is my own work.

GCSE MATHEMATICS

F

Foundation Tier Paper 3 Calculator
Final Third

June 2025



For Examiner's Use	
Pages	Mark
2–3	
4–5	
6–7	
8–9	
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.

- 17** Sid and Zak each throw the same biased coin.
Here is some information about their throws.

Sid	80 throws	Relative frequency of Heads is 0.75
Zak	120 throws	72 are Heads

- 17 (a)** Work out the relative frequency of Heads for the **200** throws.

[2 marks]

Answer _____

- 17 (b)** Which results would give the **best** estimate of the probability of Heads?

Tick **one** box.

☐

Sid's 80
throws

☐

Zak's 120
throws

☐

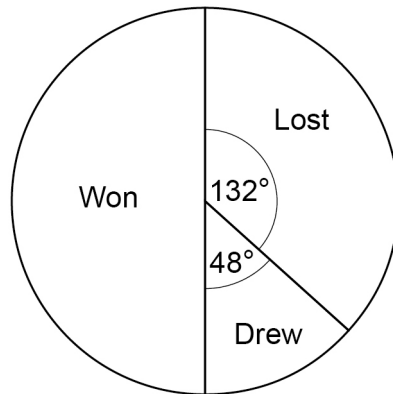
All 200 throws

Give a reason for your answer.

[1 mark]

18

The pie chart represents the results of matches played by a team.



30 matches were **won**.

How many matches were lost?

[3 marks]

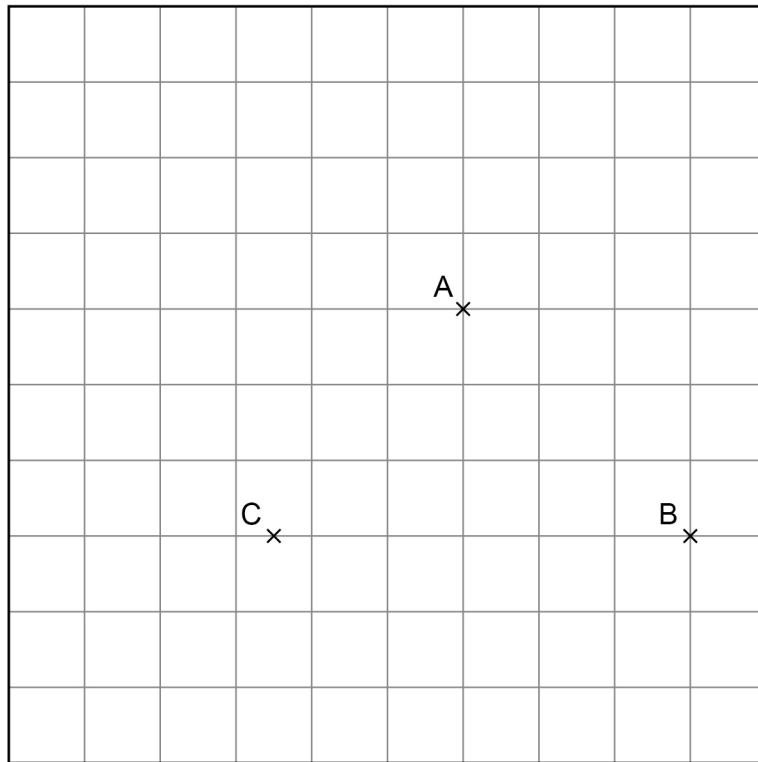
Answer _____

Turn over for the next question

19

Here is a scale diagram showing towns A, B and C on a centimetre grid.

Scale 1 : 200 000



- 19 (a)** Work out the **actual** distance from B to C.
Give your answer in kilometres.

[4 marks]

Answer _____ km

19 (b) B is South East of A.

Write down the bearing of B from A.

[1 mark]

Answer _____ °

20 A linear sequence has

- 2nd term = 6
- 5th term = 18

Work out the n th term of the sequence.

[3 marks]

Answer _____

Turn over for the next question

21

Ary, Bea and Cat each have an amount of money.

Cat has £280

- Cat's amount is $\frac{2}{3}$ of Bea's amount.
- Ary's amount : Bea's amount = 5 : 12

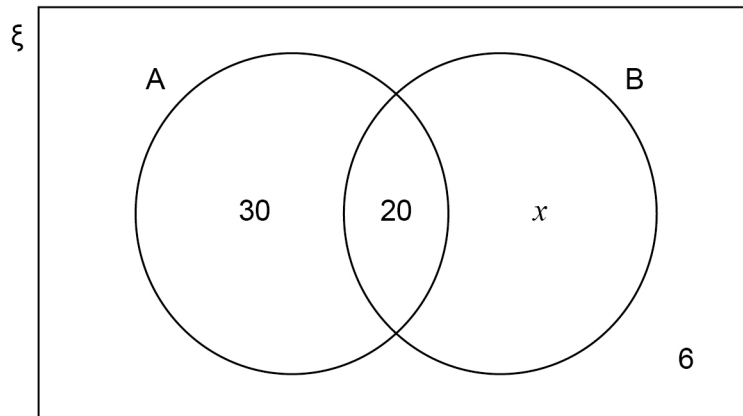
Work out how much money Ary has.

[3 marks]

Answer £ _____

22

The Venn diagram shows some of the **numbers** of items in each set.



$$P(A) = \frac{1}{2}$$

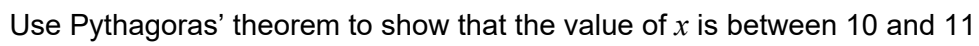
Work out the value of x .

[2 marks]

$x =$ _____

Turn over for the next question

Not drawn accurately



24 (a) Write down the equation of a straight line parallel to $y - 2x = 9$

[1 mark]

Answer _____

24 (b) A straight line

- has gradient 5
- passes through the point (3, 7)

Circle the equation of the line.

[1 mark]

$$y = 3x - 2$$

$$y = 3x + 7$$

$$y = 5x$$

$$y = 5x - 8$$