



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

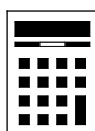
I declare this is my own work.

GCSE MATHEMATICS

F

Foundation Tier Paper 3 Calculator
Middle Third

June 2025



For Examiner's Use	
Pages	Mark
2–3	
4–5	
6–7	
8–9	
10	
TOTAL	

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

- 9 (a)** The square of a **whole** number is a two-digit number.

Work out

the **smallest** number that could have been squared
and
the **largest** number that could have been squared.

[3 marks]

smallest _____

largest _____

- 9 (b)** Which has the **larger** value 0.8^2 or 0.8^3 ?

Tick a box.

0.8^2

☐

0.8^3

☐

Give a reason for your answer.

[1 mark]

- 10 (a)** £4.56 is paid using the smallest possible number of coins.

What is the **modal value** of the coins used?

You **must** show your working.

[2 marks]

Answer _____

- 10 (b)** Here is a list of five numbers.

5 9 4 16 8

An extra number is put into the list.

The **median** of the numbers is now 7

Work out the extra number.

[2 marks]

Answer _____

11

Paul buys plates for his cafe.

The cafe has 20 tables.

He buys 6 plates for each table plus an extra 70% for spares.

Work out how many plates Paul buys in **total**.

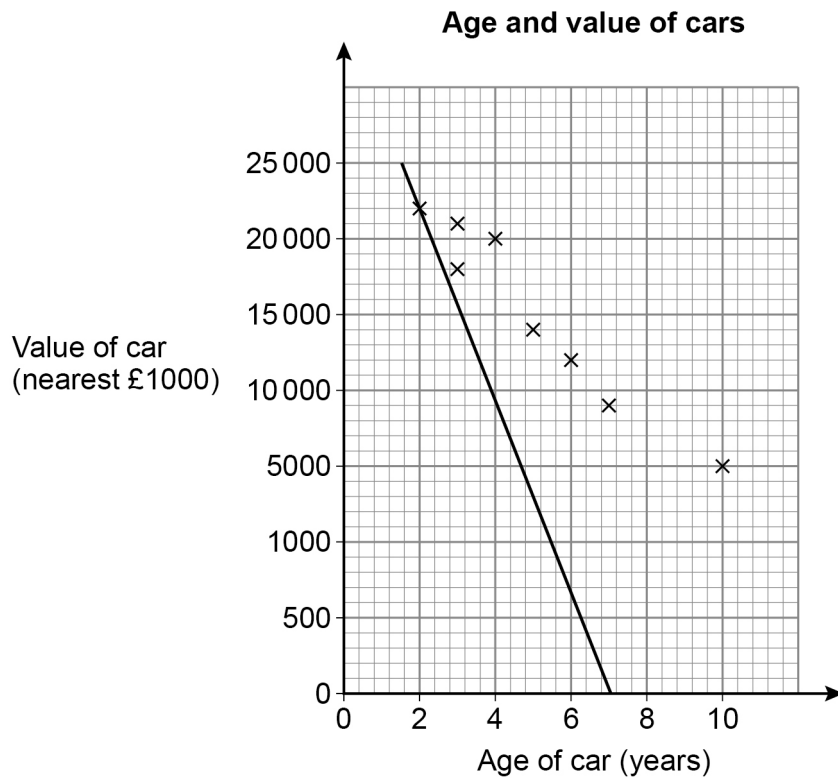
[3 marks]

Answer _____

12 The table shows the age and value of some cars.

Age of car (years)	2	3	3	4	5	6	7	10
Value of car (nearest £1000)	22 000	21 000	18 000	19 000	14 000	12 000	9 000	5 000

Anil draws this scatter diagram and line of best fit for the data.



Write down **two** mistakes he has made.

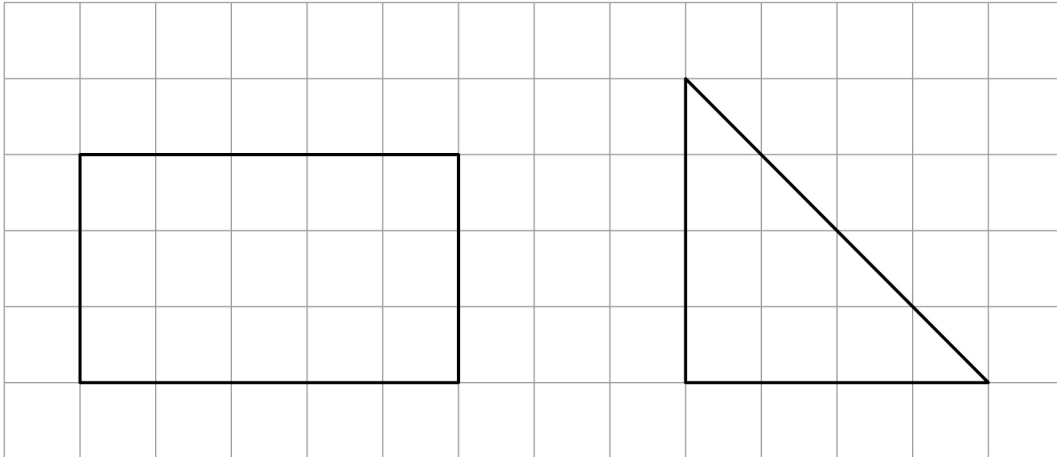
[2 marks]

Mistake 1 _____

Mistake 2 _____

13

A rectangle and a triangle are drawn on a square grid.



Work out the ratio area of rectangle : area of triangle

[3 marks]

Answer _____ : _____

- 14** A box contains cards that are either red, blue, green or yellow.

Colour	Red	Blue	Green	Yellow
Probability	0.1	0.24		

- 14 (a)** $P(\text{green}) = P(\text{yellow})$

Complete the table.

[2 marks]

- 14 (b)** There are 600 cards in the box.
How many cards are **not** blue?

[3 marks]

Answer _____

15

A and B are triangles.

For each statement, tick the correct box to describe A and B.

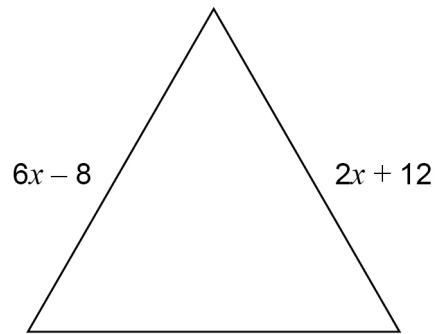
[3 marks]

	Always congruent	Sometimes congruent	Never congruent
A's sides are the same lengths as B's sides	☐	☐	☐
A's angles are the same as B's angles	☐	☐	☐
A is an enlargement of B with scale factor 2	☐	☐	☐

16

Here is an equilateral triangle.

All measurements are in centimetres.

Not drawn
accurately

Work out the value of the perimeter of the triangle.

[4 marks]

Answer _____ cm