



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

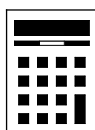
I declare this is my own work.

GCSE MATHEMATICS

F

Foundation Tier Paper 2 Calculator
Middle Third

June 2025



For Examiner's Use

Pages	Mark
2–3	
4–5	
6–7	
8	
TOTAL	

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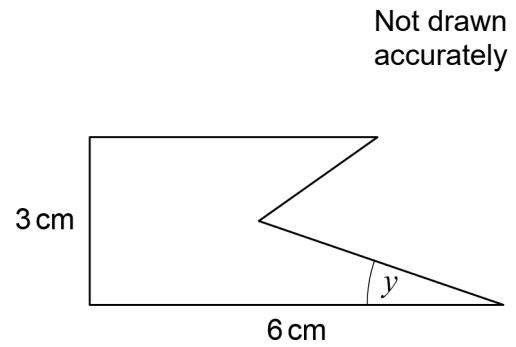
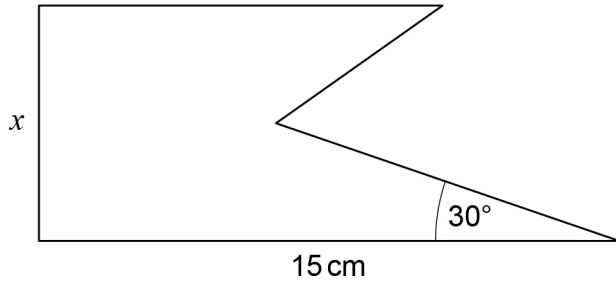
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Answer **all** questions in the spaces provided.

- 10** These two shapes are similar.



- 10 (a)** Write down the value of y .

[1 mark]

$$y = \underline{\hspace{2cm}}^{\circ}$$

- 10 (b)** Work out the value of x .

[2 marks]

$$x = \underline{\hspace{2cm}} \text{ cm}$$

- 11** Here are two expressions, A and B.

A

$$7(x - 2) + 4x + 6$$

B

$$5(3x + 2) - 4x - 18$$

Show that A and B are equivalent.

[3 marks]

- 12** 4 apples cost £2.20

Work out the cost of 7 of these apples.

[2 marks]

Answer £ _____

13 Ingrid records the number of minutes she uses her mobile phone over four weeks.

140 168 205 192

13 (a) Work out the range.

[1 mark]

Answer _____ minutes

13 (b) Ingrid records the number of minutes for a fifth week.

The mean for all **five** weeks is 178 minutes.

Work out the number of minutes used in the fifth week.

[3 marks]

Answer _____ minutes

14

Match each description to the correct expression.

One has been done for you.

[4 marks]

$$2n$$

2 more than n

$$n + 2$$

 n doubled

$$\sqrt{n}$$

 n multiplied by itself

$$\frac{n}{2}$$

half of n

$$n - 2$$

2 less than n

$$n^2$$

$$2 - n$$

15

A rectangle has

- an area of 60 cm^2
- a side length of 10 cm

Warren says,

“The perimeter of the rectangle is 32 cm because $60 \div 10 = 6$ ”

Is Warren correct?

Tick a box.

Yes

☐

No

☐

Show working to support your answer.

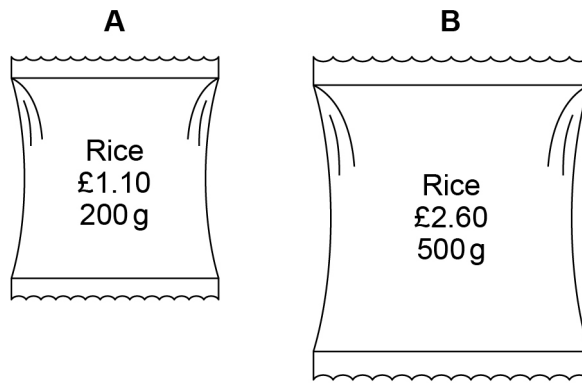
[1 mark]

16

Rearrange $a + 3 = b$ to make a the subject.**[1 mark]**

 $a =$ _____

17



Which packet of rice is better value for money?

Tick a box.

A ☐

B ☐

You **must** show your working.

[3 marks]

- 18 (a)** Sam uses either the bus or the train to get to work.

$$\frac{\text{number of days using bus}}{\text{number of days using train}} = \frac{1}{8}$$

Write down the ratio number of days using bus : number of days using train

[1 mark]

Answer _____ : _____

- 18 (b)** Write the ratio $6a : 5a$ in the form $n : 1$ where n is a **decimal**.

[2 marks]

Answer _____ : 1

- 18 (c)** $1 : x = x : 4$

Work out the value of x

[1 mark]

$x =$ _____