



Please write clearly in block capitals.

Centre number

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Candidate number

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Surname

Forename(s)

Candidate signature

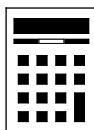
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GCSE MATHEMATICS

F

Foundation Tier Paper 3 Calculator
First Third

June 2025



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2–3	
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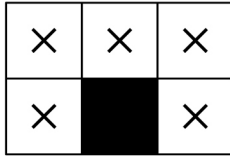
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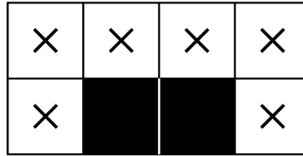
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Answer **all** questions in the spaces provided.

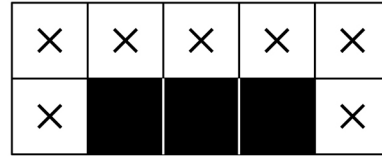
- 1** Here are the first three patterns in a sequence.



Pattern 1



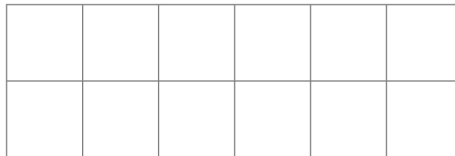
Pattern 2



Pattern 3

- 1 (a)** Draw Pattern 4 on the grid.

[1 mark]

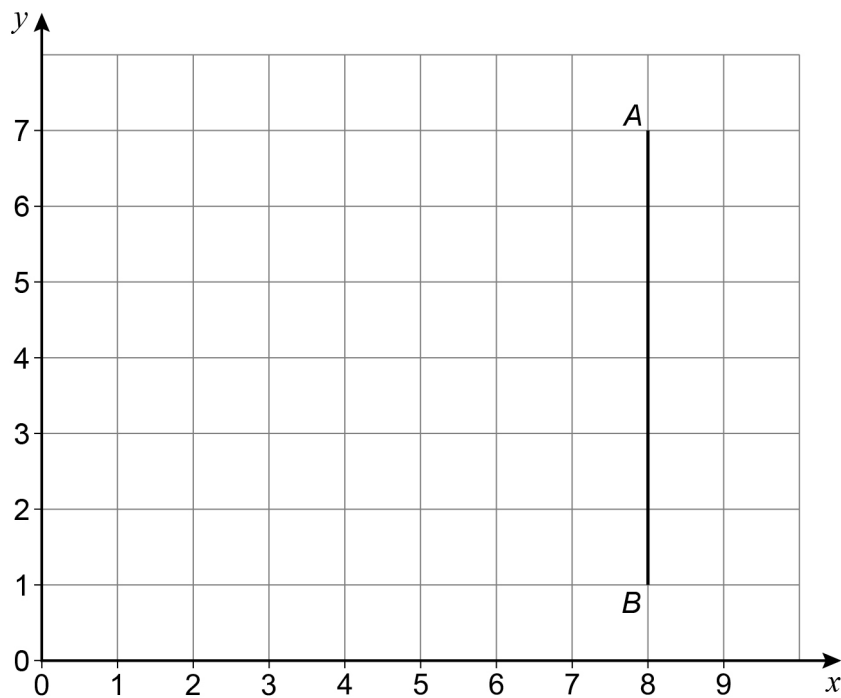


- 1 (b)** How many squares in Pattern 6 would have a cross (X) in them?

[2 marks]

Answer _____

2 Line AB is on a grid.



2 (a) Write down the coordinates of B .

[1 mark]

Answer (_____ , _____)

2 (b) Write down the coordinates of the midpoint of the line AB .

[1 mark]

Answer (_____ , _____)

- 3 (a)** Jodie makes a sandwich using one type of bread and one filling.

Bread	Filling
White (W) or Brown (B)	Cheese (C) or Ham (H) or Tuna (T)

Complete the table of the 6 possible sandwiches they could make.
One has been done for you.

[2 marks]

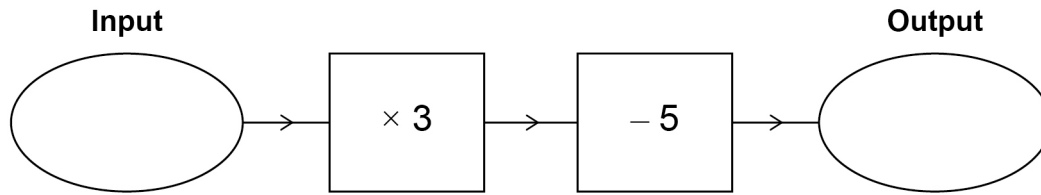
WC

- 3 (b)** What **fraction** of the possible sandwiches use Cheese?

[1 mark]

Answer _____

- 4 Here is a number machine.



- 4 (a) Work out the **output** when the input is 4

[1 mark]

Answer _____

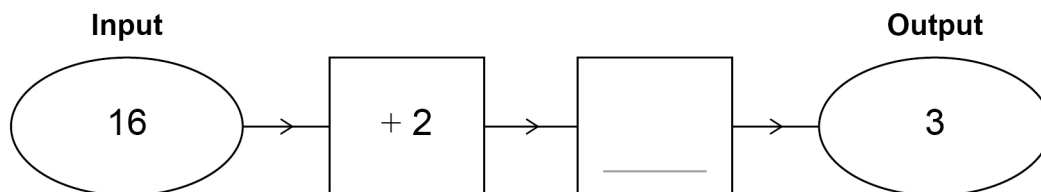
- 4 (b) Work out the **input** when the output is 19

[2 marks]

Answer _____

- 4 (c) Complete this number machine.

[1 mark]



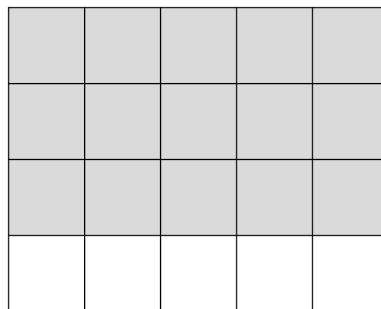
- 5 (a) Complete the table to show equivalent fractions, decimals and percentages.

[3 marks]

Fraction	Decimal	Percentage
	0.5	50%
$\frac{1}{10}$		10%
$\frac{2}{5}$	0.4	

- 5 (b) What **percentage** of this grid is shaded?

[1 mark]



Answer _____ %

6Which metric unit would be **most** suitable for each measurement?Tick **one** box for each.**[3 marks]**

	centimetres (cm)	metres (m)	kilometres (km)
Distance between two villages	☐	☐	☐
Length of a pencil	☐	☐	☐
Height of a building	☐	☐	☐

Turn over for the next question

- 7 A mobile phone company has two different plans.

Plan A	Plan B
Phone £500	Phone is free
plus	plus
£11 per month for 24 months	£35 per month for 24 months

- 7 (a) Show that the **total** cost of Plan A for 24 months is £764

[2 marks]

- 7 (b) During a sale, the **total** cost of Plan B is reduced by 10%

Which plan is cheaper for 24 months during the sale?

Tick a box.

☐

Plan A

☐

Plan B

Show working to support your answer.

[3 marks]

8

One burger costs £3.80

Two burgers and **three** hotdogs cost £15.85Work out the cost of **one** hot dog.**[3 marks]**

Answer £ _____