Cambridge Assessment International Education

Cambridge Primary Progression Test

Mathematics paper 2

Stage 5

0586362000

45 minutes

For Teacher's Use	
Page	**Mark**
1	
2	
3	
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13	
14	
Total	

Name .....

Additional materials: Ruler
Tracing paper (optional)
Calculator

READ THESE INSTRUCTIONS FIRST

Answer **all** questions in the spaces provided on the question paper.

Calculator allowed.

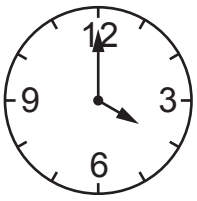
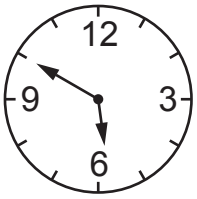
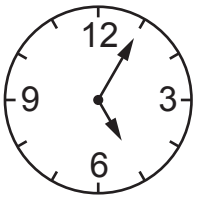
You should show all your working on the question paper.

The number of marks is given in brackets [ ] at the end of each question or part question.

The total number of marks for this paper is 40.

For Teacher's Use

1 Draw a line to join each digital clock to the analogue clock that shows the same time.

05:50	
17:05	
16:00	

[1]

2 Write these numbers in order from smallest to largest.

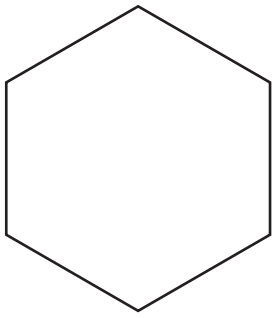
3.41 3.14 3.25 3.09 3.90

....

smallest largest

[1]

3 Draw **all** the lines of symmetry on this regular hexagon.



[1]

For Teacher's Use

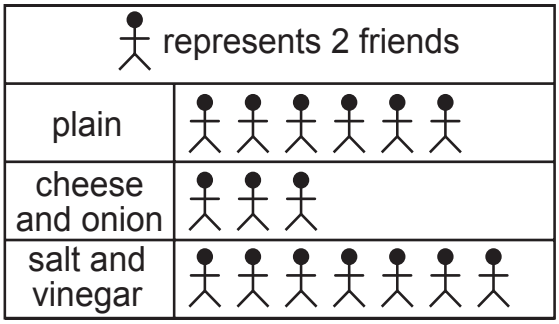
4 Youssef asks his friends to vote for their favourite flavour of crisps.
The tally chart shows their votes.

Flavour	Number of friends
plain	𝍸 𝍸 ||
cheese and onion	𝍸 |
salt and vinegar	𝍸 𝍸 𝍸

(a) How many friends did Youssef ask altogether?

..... friends [1]

(b) Tick (✓) the pictogram that correctly shows the information in the tally chart.



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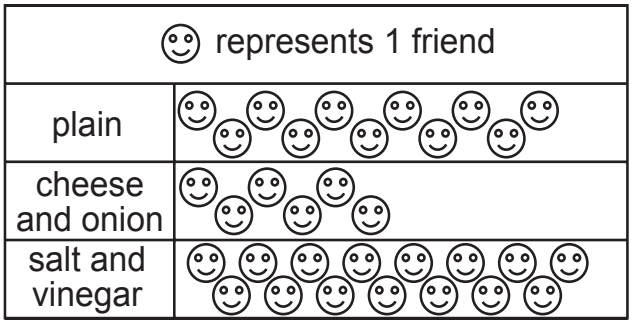

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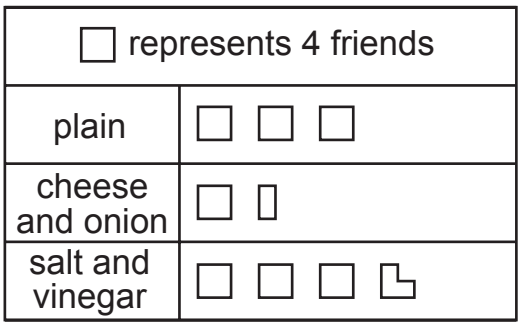

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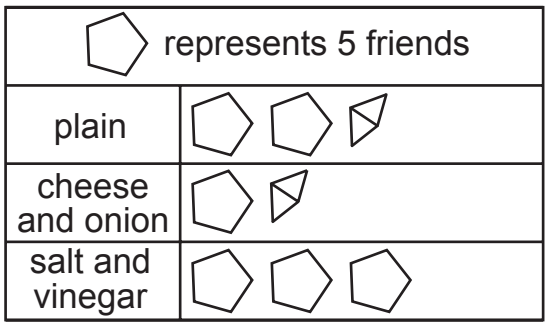
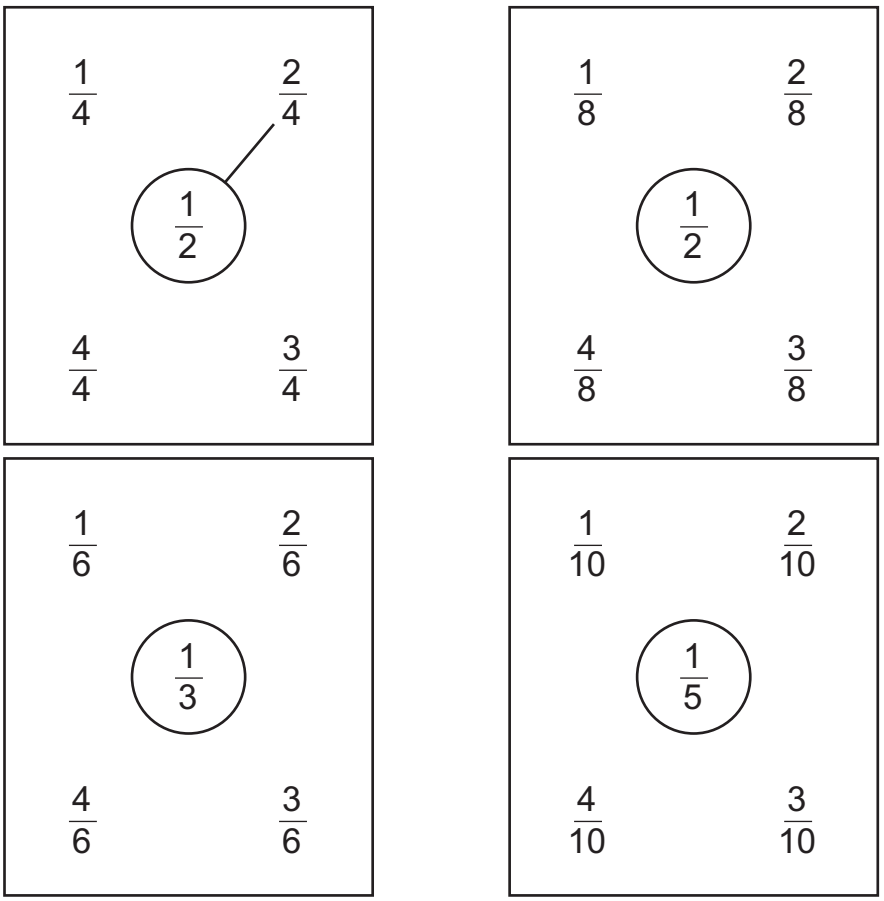


☐

[1]

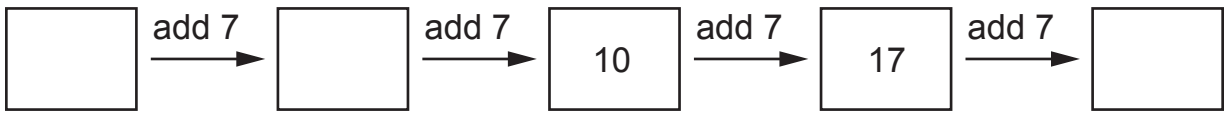
5 Draw a line to match each circled fraction to an equivalent fraction.
One has been done for you.



[2]

6 Here is a number pattern.

Write the missing numbers in each box.

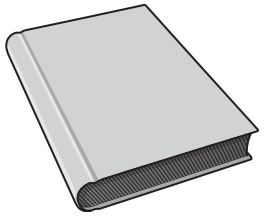


[2]

7 Safia's book has 136 pages.

She has read $\frac{1}{8}$ of it.

How many pages has she read?



..... pages [1]

8 Here are five calculation cards.

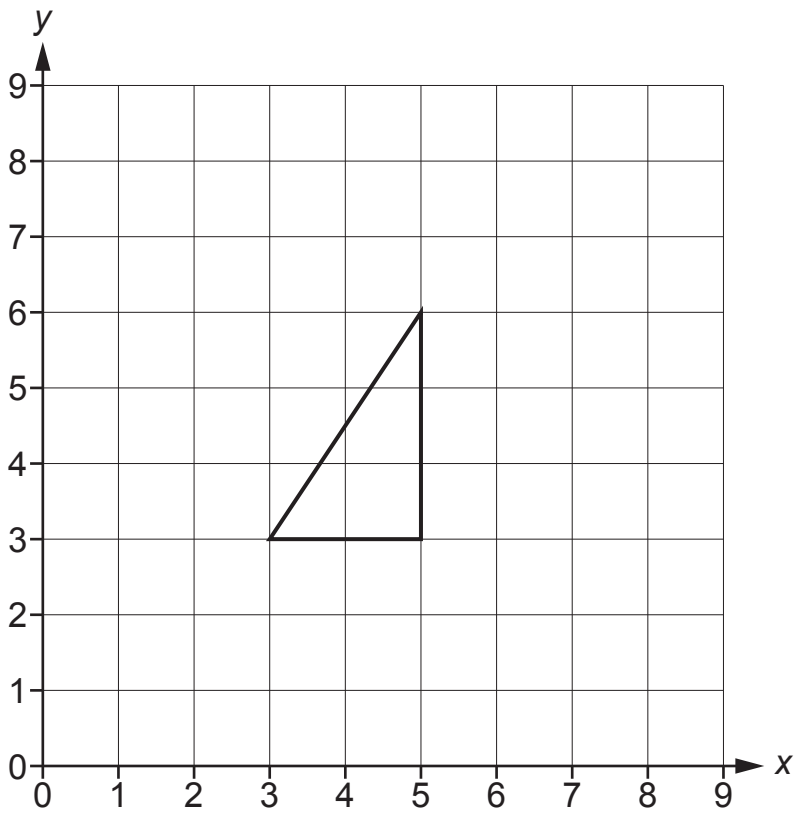
For Teacher's Use

Draw a line to join two cards that have a total of 750

45 × 41	13 × 35
22 × 15	35 × 12
25 × 15	

[1]

9 Here is a triangle on a co-ordinate grid.



The triangle is translated 3 squares to the right and 1 square down.

Draw the triangle in its new position.

[1]

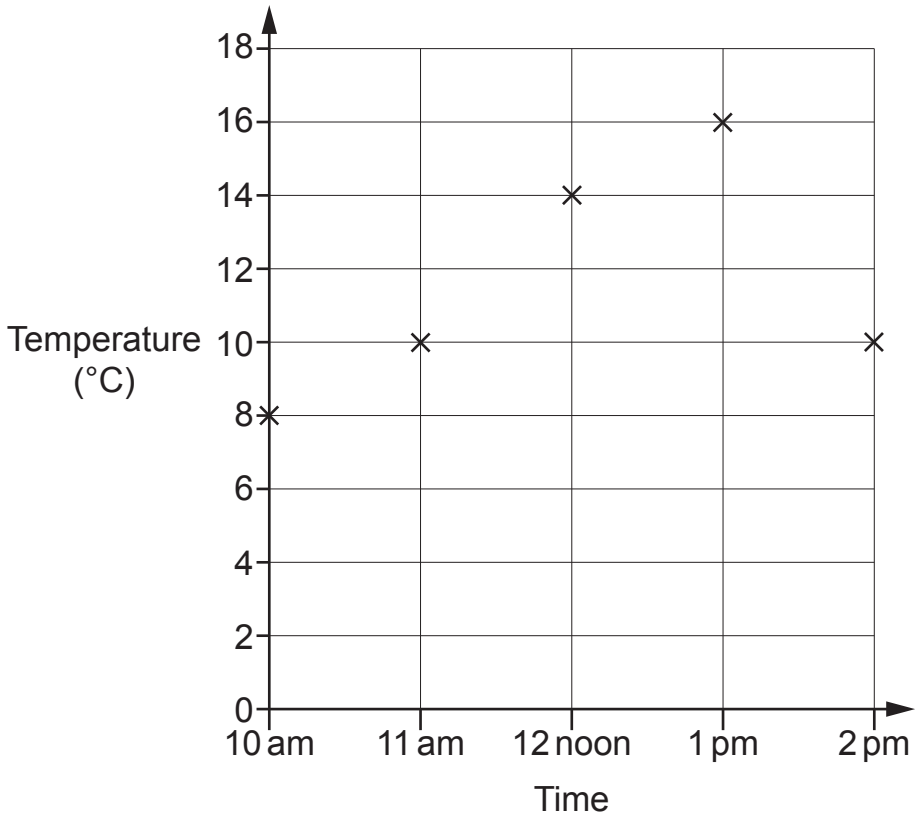
For Teacher's Use

10 Tick (✓) the most likely mass of the baby.

23 g		0.23 kg		2.3 kg		233 kg	

[1]

11 Students in Year 5 keep a record of the playground temperature. They plot their results.



(a) How many readings are recorded?

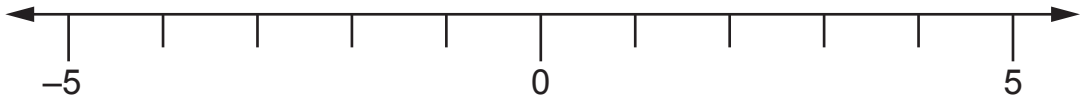
..... [1]

(b) Use the graph to estimate the temperature at 1:30 pm.

..... °C [1]

12 Draw arrows (↓) to show the positions of –3 and 1.5 on the number line.

For Teacher's Use



[1]

13 Here are four numbers.

60 136 306 016 631 600 100 663

Write these numbers in the boxes to make the statement correct.

[1]

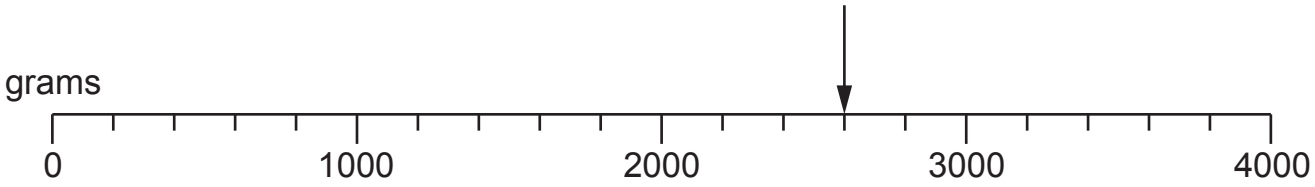
14 Blessy and Pierre each choose a decimal.
They round their decimals to the nearest whole number.

Tick (✓) the box where their whole numbers are the same.

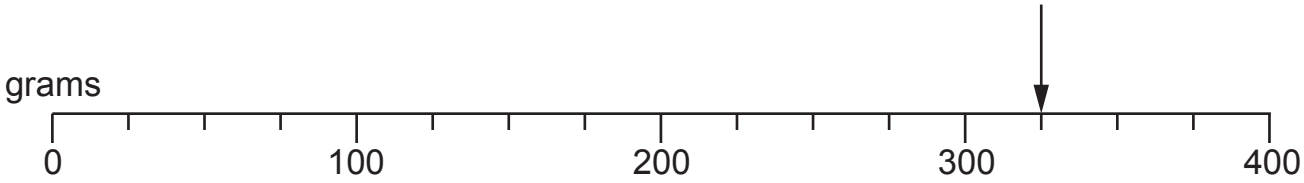
Blessy 2.3 Pierre 3.2	Blessy 3.4 Pierre 4.3	Blessy 4.5 Pierre 5.4	Blessy 5.6 Pierre 6.5
☐	☐	☐	☐

[1]

15 The mass of a watermelon is shown on this scale.



The mass of a potato is shown on this scale.



What is the difference in mass between the watermelon and the potato?
Show your working.

..... grams [2]

16 Use one of these words to complete each sentence.

always sometimes never

Whole numbers ending in five can ..... be divided exactly by 2

Whole numbers ending in zero can ..... be divided exactly by 5

Whole numbers ending in five can ..... be divided exactly by 10

Whole numbers ending in zero can ..... be divided exactly by 100

[2]

For Teacher's Use

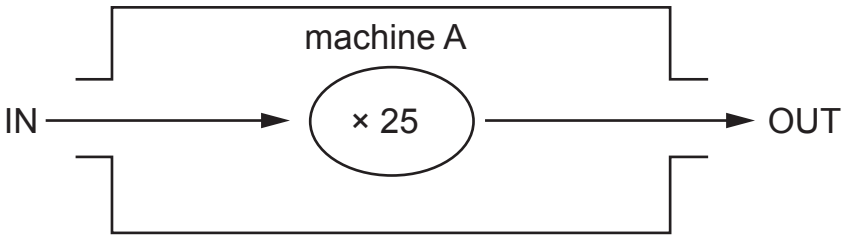
17 Angelique knows 354 × 4 = 1416

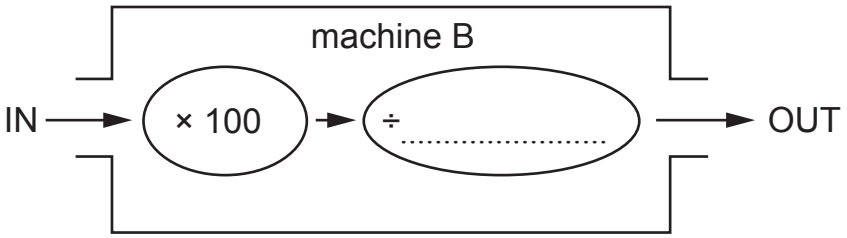
Explain how she uses **this fact** to calculate 354 × 12

.....

..... [1]

18 Rajiv makes two function machines, A and B, to give the **same** result.





(a) Complete machine B.

[1]

(b) Calculate 81 × 25 **using machine B**.
You must show all your working.

..... [1]

19 Draw a ring around the answer to 27 ÷ 5

$5\frac{1}{5}$ $5\frac{2}{5}$ $5\frac{3}{5}$ $5\frac{4}{5}$

[1]

For Teacher's Use

20 Here is a number sequence.
It continues in the same way.

Write the missing numbers in the boxes.

☐, 2, 4, 8, 16, ☐

[1]

21 Here are four measurements.

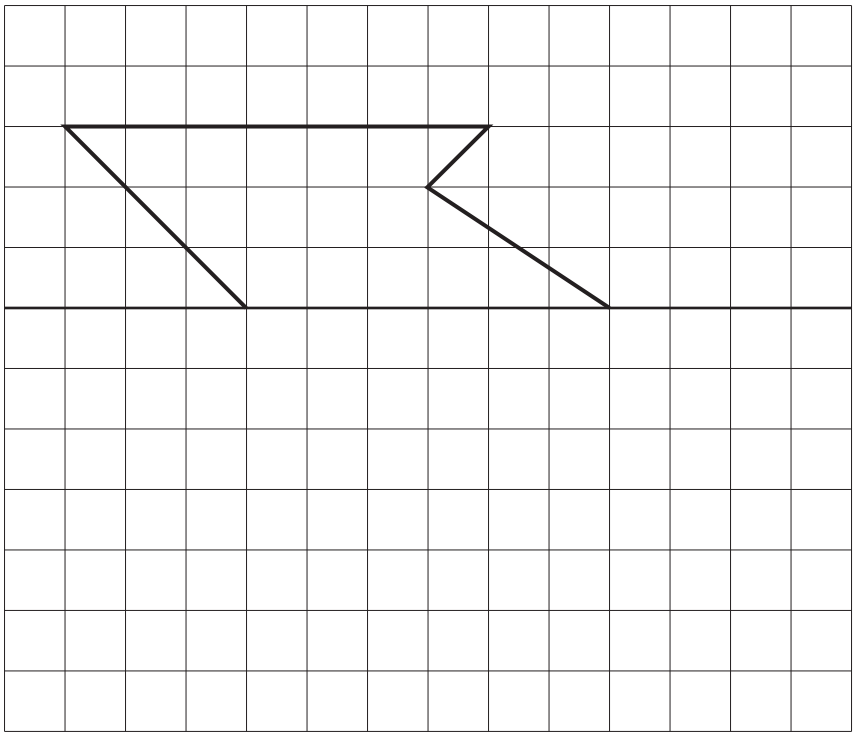
$\frac{1}{2}$ m	8 cm	0.9 m	40 cm

Write these measurements in order of size from shortest to longest.

....
shortest longest

[1]

22 Reflect the shape in the mirror line.



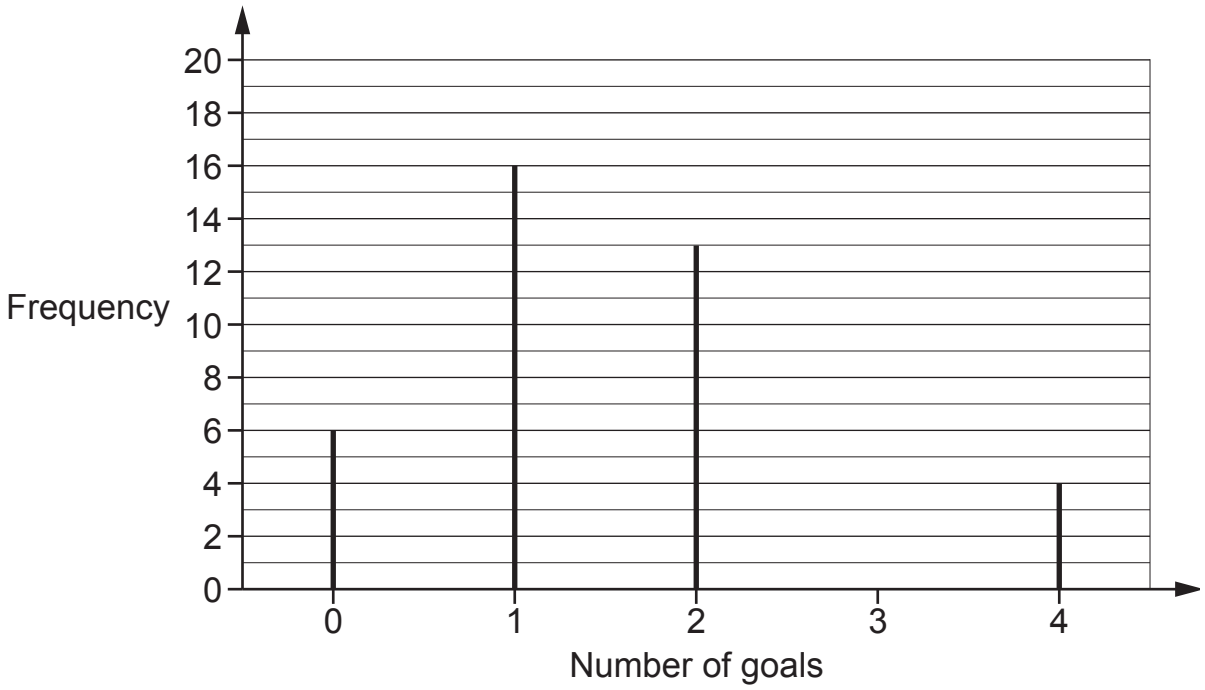
[1]

For Teacher's Use

23 Gabriella draws a bar line chart for the number of goals scored in 50 football matches.

(a) The bar line for 3 goals scored is missing.

Complete the bar line chart.



[1]

(b) Write down the mode for the number of goals scored.

..... [1]

24 A farmer has 419 eggs.
Egg boxes hold 6 eggs.

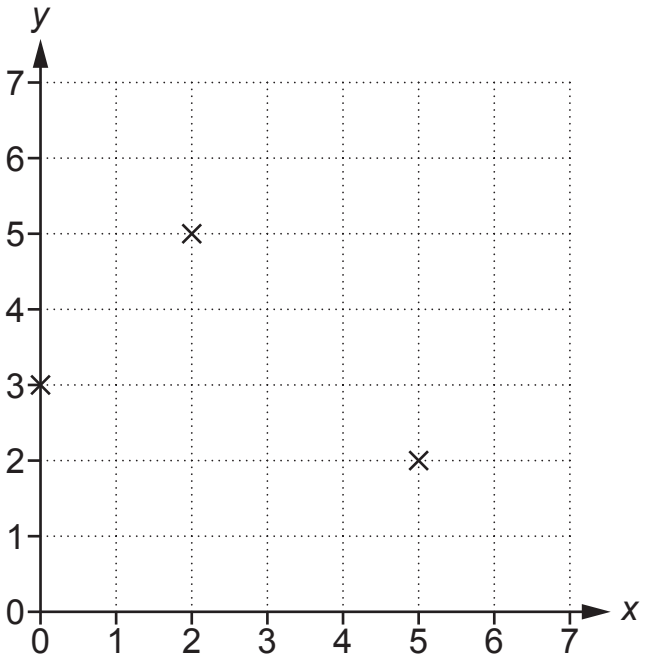
The farmer wants to put all the eggs into boxes.

How many boxes will he need?

..... boxes [1]

For Teacher's Use

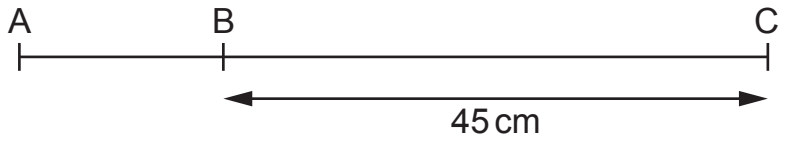
25 Anastasia is drawing a rectangle on a co-ordinate grid.
She has plotted three of the vertices.



Write the co-ordinates of the fourth vertex.

(..... , ...) [1]

26 Points A, B and C are marked on a line.
The distance from B to C is 3 times the distance from A to B.
The distance from B to C is 45 cm.

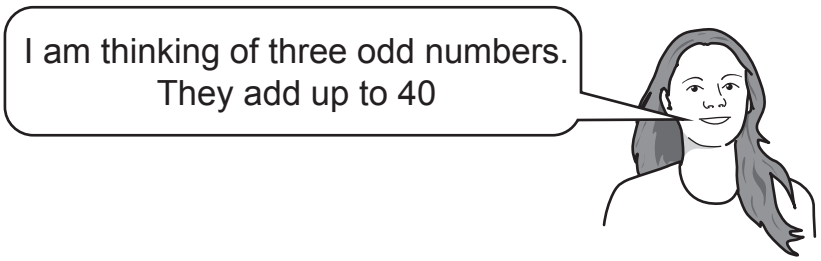


Not drawn to scale

What is the distance from A to C?

..... cm [1]

27 Mia says,



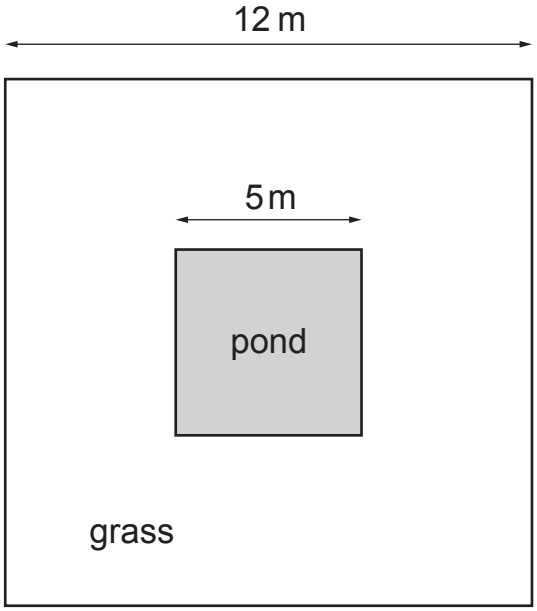
Jamila says that cannot be correct.

Explain how Jamila knows this.

.....

..... [1]

28 A square pond is dug in a square of grass.



Not drawn to scale

Calculate the area of grass that is left.
Show your working.

..... m^2 [2]

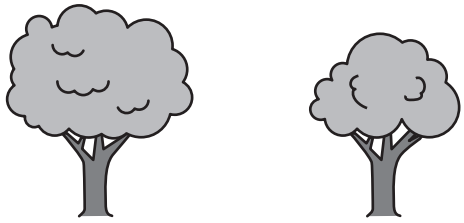
For Teacher's Use

29 Oliver thinks of a square number between 40 and 100
He adds 4 to the number.
The total is a multiple of 5

Which square number did he start with?

..... [1]

30 Yuri has two plum trees, A and B, in his garden.



A B

Tree A produces 20 kg of plums.
Tree B produces 10% more than tree A.

How many kilograms of plums in total does Yuri get from the trees?
Show your working.

..... kg [2]