



Mathematics

Stage 5

Paper 1

2025

Cambridge Primary Progression Test

Name

Class

Date

45 minutes

Additional materials: Set square
Tracing paper (optional)

INSTRUCTIONS

- Answer **all** questions.
- Write your answer to each question in the space provided.
- You should show all your working on the question paper.
- You are **not** allowed to use a calculator.

INFORMATION

- The total mark for this paper is 40.
- The number of marks for each question or part question is shown in brackets [].

1 Work out.

$$615 + 107 + 232$$

..... [1]

2 Write a number in the box to make the statement correct.

$$1694 \div 100 = \boxed{}$$

[1]

3 Here is the spatial pattern for the first three triangular numbers.



Write the first three triangular numbers.

..... [1]

4 Carlos says,

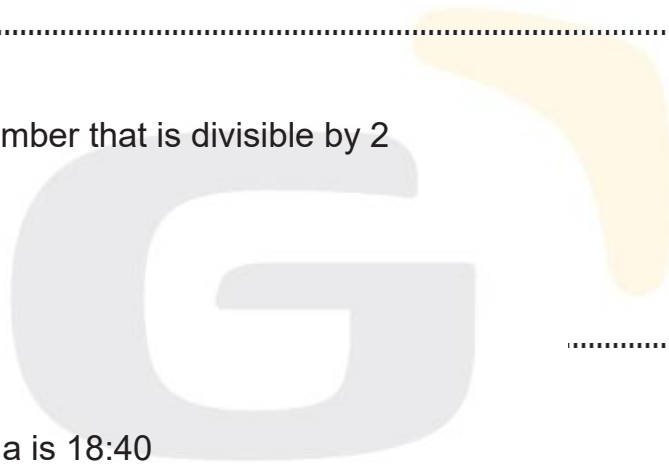


Carlos is **not** correct.

Explain how you know that 34 is **not** a multiple of 4

..... [1]

5 Write a 3-digit number that is divisible by 2



..... [1]

6 The time in Manila is 18:40
The time in Sydney is 3 hours ahead of the time in Manila.

Work out the time in Sydney.

..... [1]

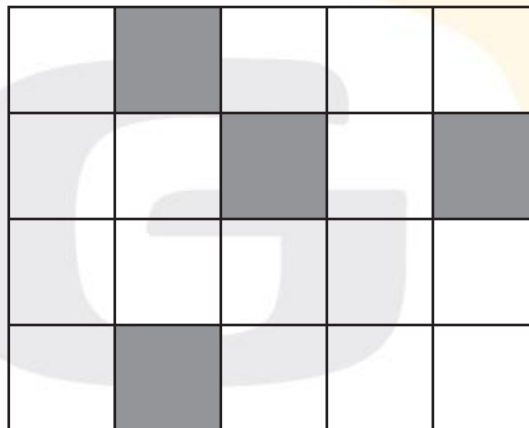
- 7 The children in Class 5 want to know if boys have bigger feet than girls. They collect data.

Tick (✓) the data collection that is **least** useful.

| Data collection | |
|--|--|
| Measure the length of each person's shoe | |
| Measure the length of each person's foot | |
| Measure the width of each person's foot | |
| Calculate the area of each person's foot | |

[1]

- 8 Here is a shape made of squares.



Shade **two** more squares so that the shape has exactly one line of symmetry. [1]

- 9 Tick (✓) to show if each number is divisible by 2, 4 or 8
One number has been done for you.

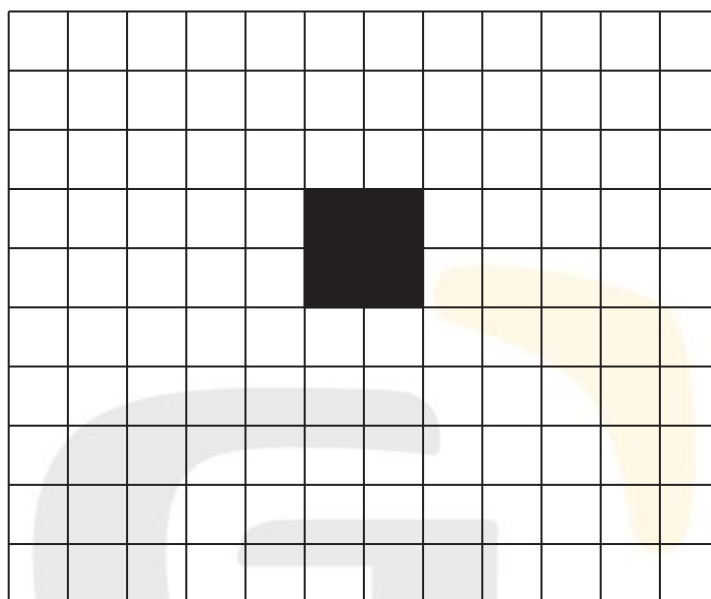
| Number | Divisible by 2 | Divisible by 4 | Divisible by 8 |
|--------|----------------|----------------|----------------|
| 16 | ✓ | ✓ | ✓ |
| 116 | | | |
| 126 | | | |

[2]

10 Write $\frac{8}{3}$ as a mixed number.

..... [1]

11 Here is a shape drawn on a grid of squares.



The shape is translated 3 squares to the left.

Draw the translated shape on the grid.

[1]

12 Work out.

$$\frac{1}{4} + \frac{1}{8}$$

..... [1]

13 Tick (✓) to show if each statement is true or false.

| Statement | True | False |
|--|------|-------|
| $6 + 3 + 4 = 4 + 6 + 3$ | | |
| $16 \times 2 = 10 \times 2 + 6 \times 2$ | | |
| $5 - 3 = 3 - 5$ | | |
| $36 \times 5 = 4 \times 8 \times 5$ | | |

[2]

14 Here is the age and mass of five animals.

| Animal | A | B | C | D | E |
|-------------|----|---|---|----|----|
| Age (years) | 9 | 5 | 8 | 4 | 4 |
| Mass (kg) | 12 | 9 | 8 | 16 | 21 |

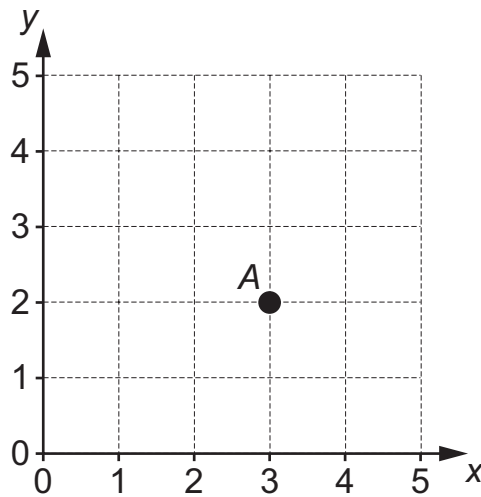
(a) Write the mode of the animal ages.

..... years [1]

(b) Write the median mass.

..... kg [1]

15 Here is a coordinate grid with point A marked.



Plot a **different** point that has the same y-coordinate as A.
Label the point B.

[1]

16 Draw a line to match the calculation to **each** equivalent calculation.

$$7 \times 6 \times 5$$

$$6 \times 35$$

$$7 \times 36$$

$$7 \times 2 \times 3 \times 5$$

$$21 \times 10$$

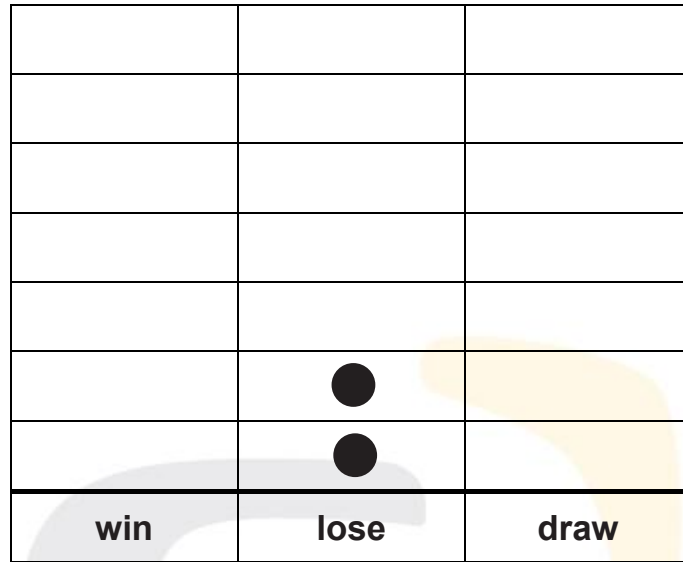
$$48 \times 5$$

[2]

- 17** A football team play 10 matches.
They win, lose or draw each match.

They win more matches than they lose.
They win more matches than they draw.
They draw more matches than they lose.
They lose 2 matches.

Complete the dot plot.



[1]

- 18** Youssef draws a right-angled isosceles triangle.

Draw a ring around the number of lines of symmetry Youssef's triangle has.

0 1 2 3

[1]

- 19** Mike buys 8 planks of wood.
Each plank has a length of 1.3 metres.

Work out the total length of the 8 planks of wood.

..... metres [1]

- 20** Oliver has 30 roses.
 10 of the roses are red.
 Some of the roses are white.
 The rest of the roses are yellow.

Oliver picks a rose at random.

Oliver says, 'I am most likely to pick a yellow rose.'

Complete the table to make Oliver's statement correct.

| Colour of rose | Number of roses |
|----------------|-----------------|
| Red | 10 |
| White | |
| Yellow | |

[1]

- 21** A bag contains 12 pencils.
 A box contains 156 bags of pencils.

Work out the number of pencils in a box.

..... pencils [1]

- 22** Write a number in the box to make the sentence correct.

2.5 days = hours

[1]

- 23** A bag contains exactly 2 red beads and 3 blue beads.

Write the correct number in each box to make the statement correct.

in every beads in the bag are **blue**.

[1]

- 24** Here is a number.

14.26

Write, in words, the value represented by the digit 6

..... [1]

- 25** Lily has 636 beads.
She makes necklaces using the beads.
Each necklace uses 6 beads.

Work out the number of necklaces Lily can make.

..... [1]

- 26** Work out.

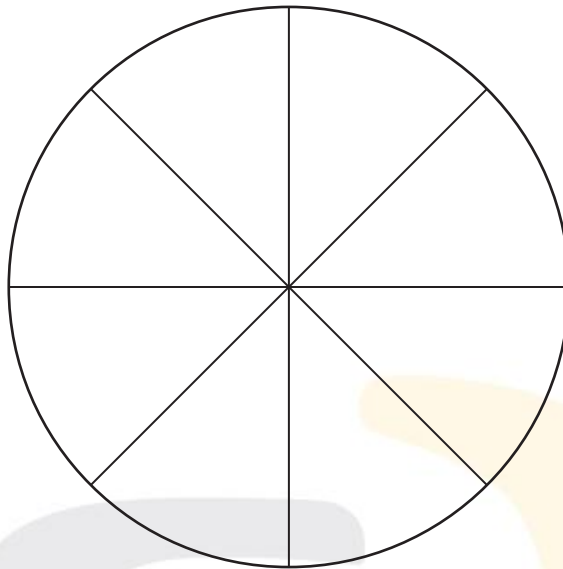
$$7.41 - 2.36 + 1.43$$

..... [1]

- 27** Mia has a spinner with 8 equal sections.
Each section has the number 1 or 2 or 3 or 4 written on it.

Mia is more likely to spin a 3 than a 2
Mia is equally likely to spin a 2 or a 1
Mia is less likely to spin a 3 than a 4

Write a number in each section to complete Mia's spinner.



[1]

- 28** Write a number in the box to make the statement correct.

$$14.07 \times 100 \div 10 = \boxed{} \div 100$$

[1]

- 29** Three different angles are joined to make a straight line.

Draw a ring around the **three** angles that could make the straight line.

10° 20° 30° 40° 90° 100° 110°

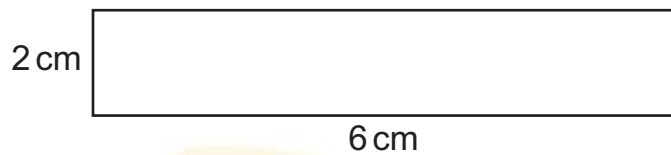
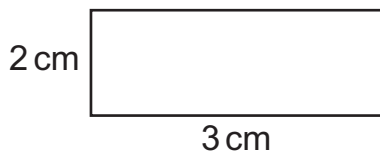
[1]

- 30** Angelique's watch is 12 minutes slower than Jamila's watch.
The time on Angelique's watch is 14:52

Write the time on Jamila's watch.

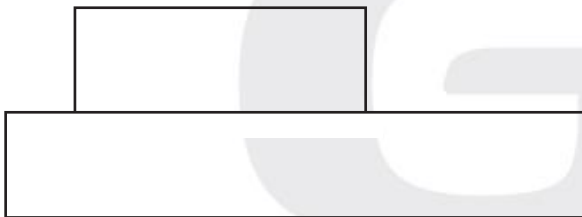
..... [1]

- 31** Here are two rectangles.



Not drawn to scale

The two rectangles are joined together to make a new shape.

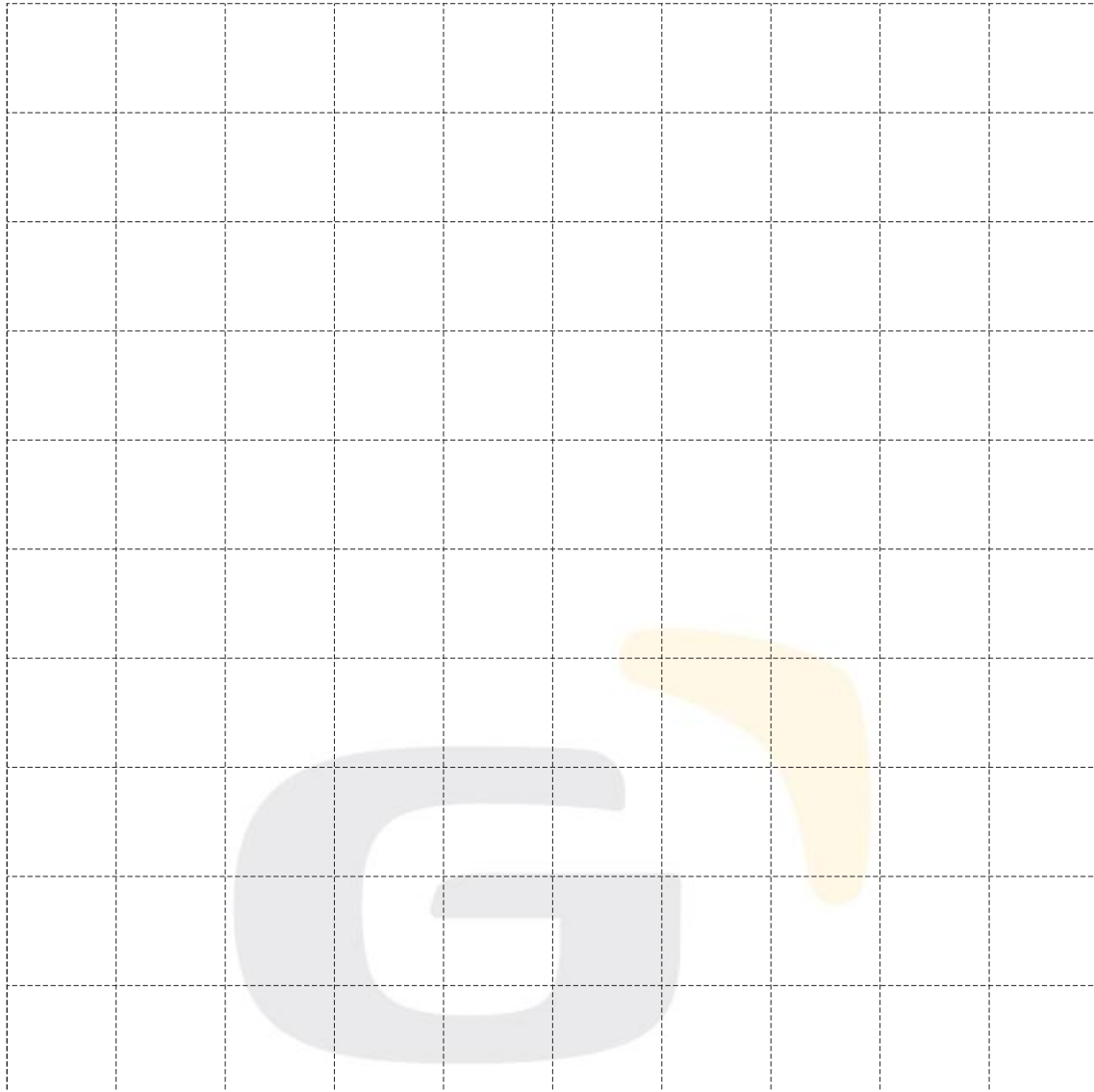


Not drawn to scale

Calculate the perimeter of the new shape.

..... cm [1]

32 Here is a grid of squares.



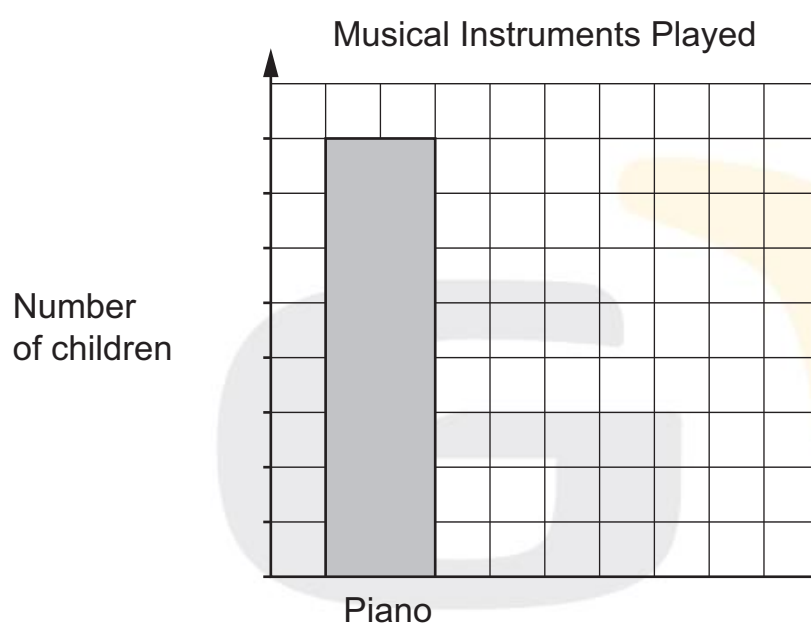
Draw **four** identical right-angled triangles arranged to make a larger right-angled triangle.

[1]

- 33** Mia asks 32 children which musical instrument they play.
The table shows her data.

| Instrument | Number of children |
|------------|--------------------|
| Piano | 16 |
| Violin | 10 |
| Drums | 6 |

The bar chart shows some of this information.



Complete the bar chart by

- adding a scale to the y-axis
- drawing and labelling bars for violin and drums.

[2]

- 34** Naomi counts back from 105 in steps of 8
Samira counts on from 15 in steps of 7

Write the first negative number that Naomi says.

.....

Write the number that both Samira and Naomi say.

.....

[2]



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