

# Mathematics

Stage 5

Paper 1

**2026**

## 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 [ ].

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1 Here are some decimal numbers.

1.8

5.2

4.4

3.1

2.9

Draw a ring around the **largest** decimal number.

[1]

2 Multiply 3.6 by 2

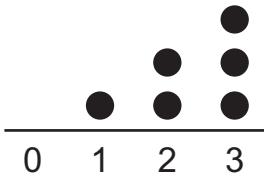
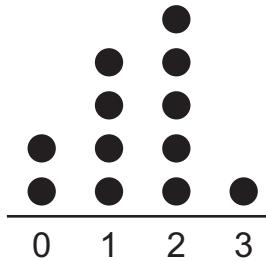
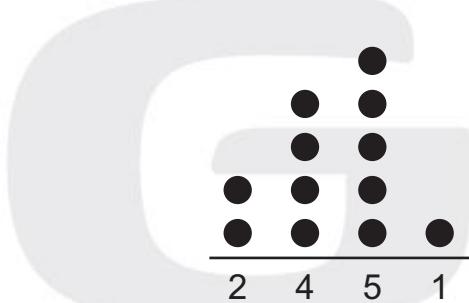
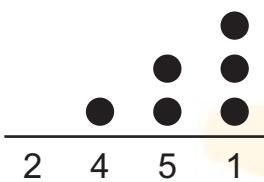
[1]



- 3 Here is a frequency table showing the number of snacks a group of children eat at a party.

number of snacks	frequency
0	2
1	4
2	5
3	1

Draw a ring around the correct dot plot.



[1]

4 Calculate.

$$1.32 + 2.14$$

[1]

5 Calculate.

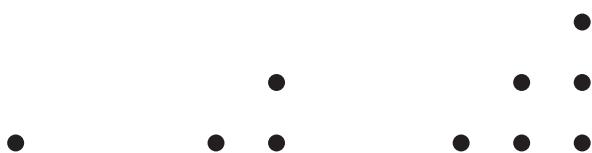
(a)  $\frac{3}{9} + \frac{2}{9}$

[1]

(b)  $\frac{5}{8} + \frac{1}{4}$

[1]

- 6 Here is the spatial pattern of the first three triangular numbers.



Draw the spatial pattern of the **next** triangular number.

[1]

- 7 Here is a frequency table that shows the colour of cars in a car park.

colour of car	frequency	proportion
red	4	25%
blue	8	.....
silver	4	.....

Complete the frequency table to show the proportion of cars of each colour in the car park.

Write each answer as a percentage.

[1]

8 Calculate.

$$6.7 \div 10$$

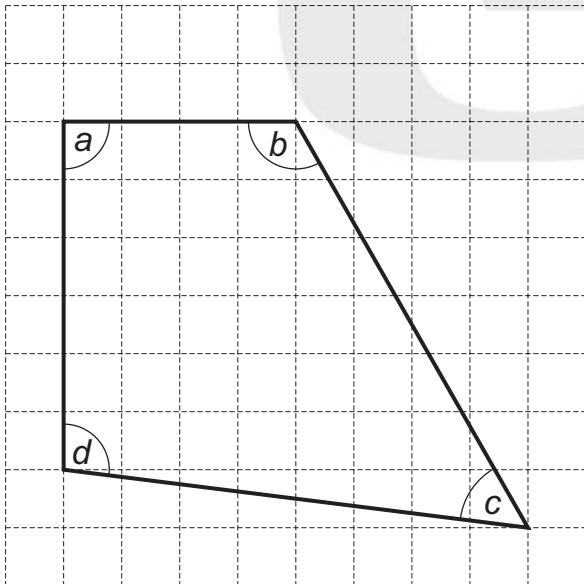
[1]

9 Calculate.

$$6 + 6 \div 3$$

[1]

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

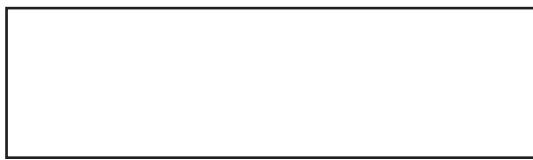


The angles are labelled  $a$ ,  $b$ ,  $c$  and  $d$ .

Write the letter that represents the largest angle.

[1]

11 Here is a rectangle.



Measure the perimeter of the rectangle.

..... cm [1]

12 Draw a ring around the statement that is equivalent to 30.83

$3 + 0 + 0.8 + 0.3$

$30 + 0 + 0.8 + 0.3$

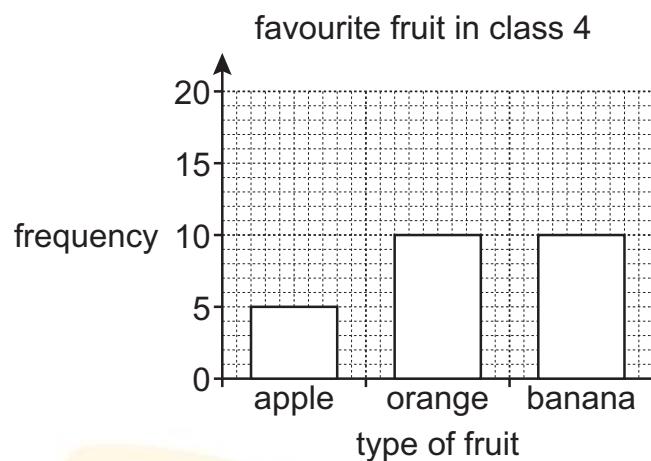
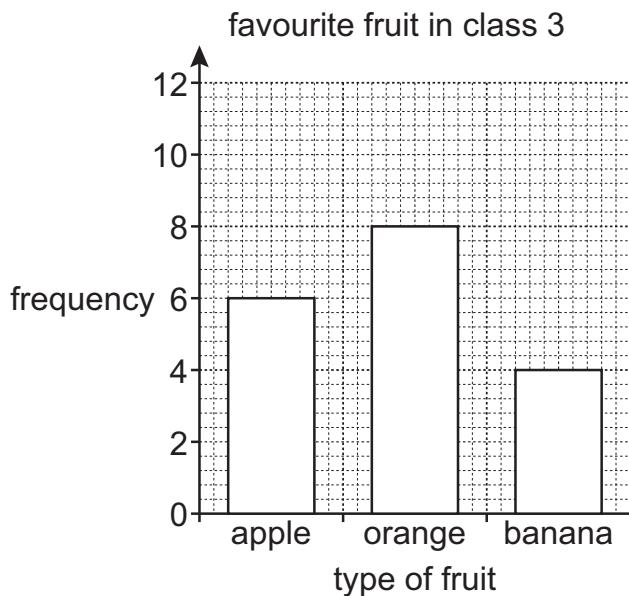
$3 + 0 + 0.8 + 0.03$

$30 + 0 + 0.8 + 0.03$

[1]

13 Eva collects data to show the favourite fruit of children in class 3 and class 4.

She presents her data in bar charts.



Write the **total** number of children whose favourite fruit is an orange.

children [1]

14 Gabriella writes two pairs of calculations.

Here are her calculations.

pair 1

$$76 \div 7$$

$$76 \div 5$$

pair 2

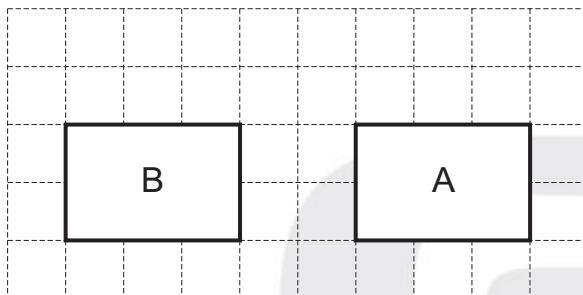
$$41 \div 7$$

$$32 \div 7$$

Draw a ring around the calculation in **each** pair that gives the largest answer.

[1]

15 Here are two rectangles drawn on a grid of squares.



Rectangle A is translated to give rectangle B.

Complete the description of the translation.

Rectangle A is translated ..... squares to the ..... . [1]

16 Calculate.

$$463 - 217 + 135$$

[1]

17 Complete the sentence.

A scalene triangle has ..... lines of symmetry.

[1]

18 The time in Brisbane is 8 hours ahead of the time in Cape Town.  
The time in Cape Town is 09:00

Write the time in Brisbane.

[1]

**19** Write a number in each box to complete the sentences.

$$2 \times 9 \times 5 = 2 \times \boxed{\phantom{0}} \times 9 = 90$$

$$6 \times 17 = 6 \times \boxed{\phantom{0}} + 6 \times 7 = 102$$

$$36 \times 5 = \boxed{\phantom{0}} \times 2 \times 5 = 180$$

[2]

**20** Here are four statements.

statement	true	false
$\frac{1}{2} \div 2 = 1$		
$\frac{1}{4} \div 2 = \frac{1}{8}$		
$\frac{1}{5} \times 10 = 2$		
$\frac{1}{3} \times 6 = \frac{1}{2}$		

Tick ( $\checkmark$ ) to show if each statement is true or false.

[2]

**21** Here is part of a sequence.

20            27            34            ...

The sequence continues in the same way.

Write the smallest 3-digit number in the sequence.

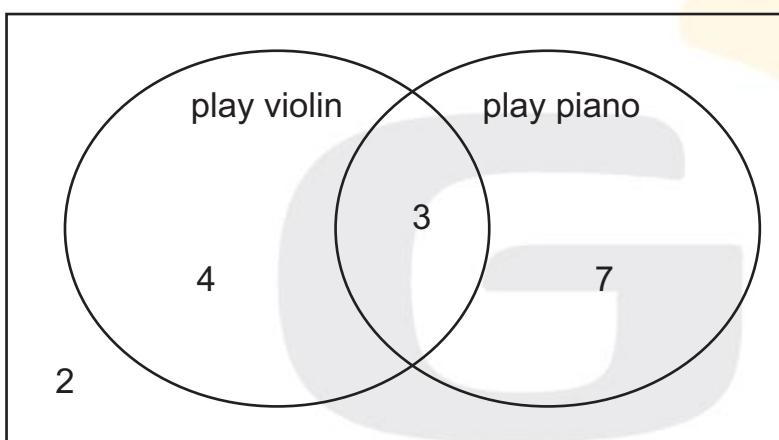
[1]

- 22 Pierre draws some rectangles.  
 Each rectangle has an area of  $12 \text{ cm}^2$ .  
 The length of each side of the rectangles is a whole number of centimetres.

Write the number of **different** rectangles Pierre can draw.

[1] .....

- 23 Here is a Venn diagram that shows the number of children who play some musical instruments.



Complete the Carroll diagram to show the same information.

	play violin	do <b>not</b> play violin
play piano		
do <b>not</b> play piano		

[1]

24 Rajiv has a box that contains beads of different colours.

The box contains:

- 3 red beads
- 4 green beads
- 2 blue beads
- some yellow beads

Rajiv picks a bead at random from the box.

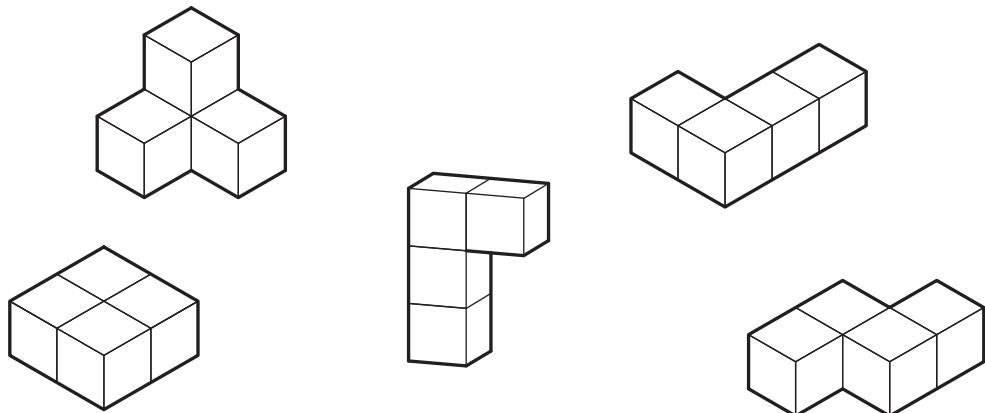
Rajiv is **less** likely to pick a yellow bead than a green bead.

Rajiv is **more** likely to pick a yellow bead than a blue bead.

Write the number of yellow beads in the box.



- 25** Here are some 3D shapes.  
Each shape is made with four small cubes.



Draw a ring around the **two** identical 3D shapes.

[1]

- 26** Calculate.

(a)  $108 \times 24$



[1]

(b)  $207 \div 3$



[1]

27 Here is a calculation.

$$\boxed{\phantom{0}} \boxed{\phantom{0}} \boxed{9} + \boxed{2} \boxed{4} \boxed{\phantom{0}} = \boxed{\phantom{0}} \boxed{0} \boxed{5}$$

Write a digit in **each** box to complete the calculation.

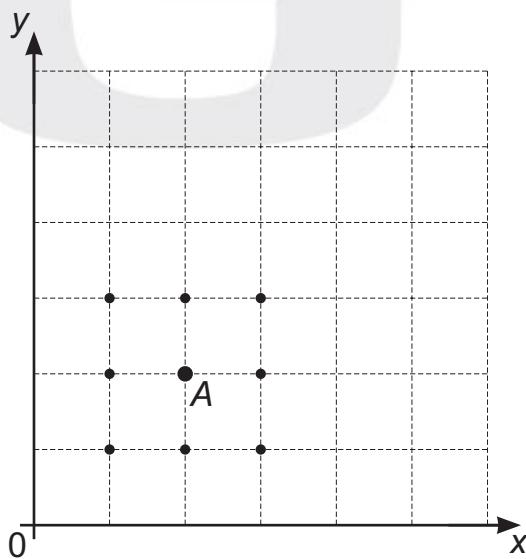
[1]

28 Write a number in the box to complete the statement.

3 months is **always** less than  weeks.

[1]

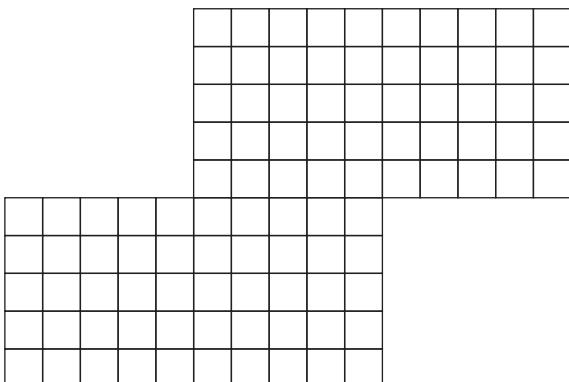
29 Here is a coordinate grid.



The point A has coordinates (4, 4).

Draw a ring around the point with coordinates (6, 2). [1]

30 Here is a shape made of 100 squares.



Jamila shades  $\frac{1}{4}$  of the shape.

Mia shades 10 more squares.

Write the **total** percentage of the shape that is shaded.

% [1]

31 Write a **different** number in each box to complete the statements.

is a factor of 4

4 is a factor of

is a multiple of 16

12 is a multiple of

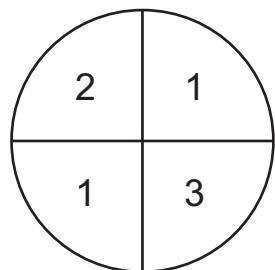
[1]

32 One third of the length of a piece of wood is 60 centimetres.

Write the length of the piece of wood.

..... centimetres [1]

33 Here is a spinner with 4 equal sections.



Hassan says,



If I spin the spinner 4 times,  
it is certain that I will get two 1s

Hassan is **not** correct.

Explain how you know.

.....  
.....  
.....

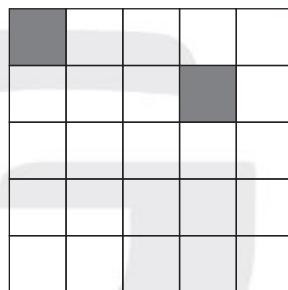
[1]

- 34 A bag contains black balls, white balls and pink balls.  
There are a total of 10 balls in the bag.  
For every black ball in the bag there are 2 white balls.  
There is 1 pink ball in the bag.

Write the number of white balls in the bag.

[1]

- 35 Here is a shape made of small squares.



Two small squares are shaded.

Shade **two more** small squares so that the shape has 2 lines of symmetry.

[1]

36 Tick (✓) to show if the statements are true or false.

statement	true	false
all numbers that are divisible by 2 are <b>also</b> divisible by 4		
all numbers that are divisible by 2 and 4 are <b>also</b> divisible by 8		
all numbers that are divisible by 8 are <b>also</b> divisible by 4		

[1]



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