



Mathematics

Stage 5

Paper 2

2025

Cambridge Primary Progression Test

Name

Class

Date

45 minutes

Additional materials: Calculator
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 may 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 Write the fraction that represents $4 \div 5$

[1]

- 2 Draw a ring around the **shortest** time interval.

2 seconds

1.5 seconds

2 minutes

1.5 minutes

[1]

- 3 Draw a ring around **each** pattern that represents a square number.



[1]

4 Here are some numbers.

3.2

0.8

2.6

6.1

2.3

Write the numbers in order, starting with the smallest.

smallest

largest

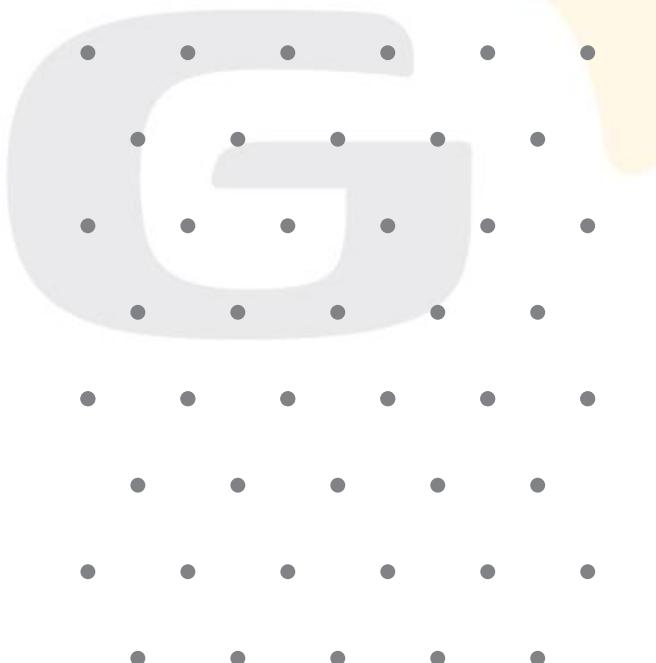
[1]

5 Write a whole number in the box to make the statement correct.

9 days < weeks < 1 month

[1]

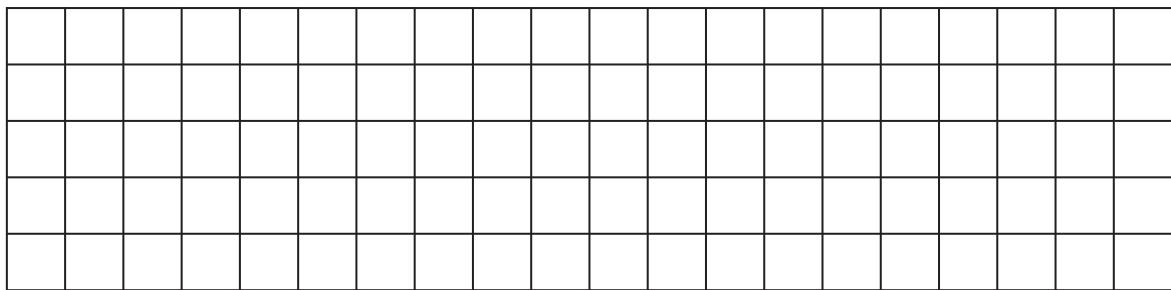
6 Here is a grid of dots.



Draw a scalene triangle.
Use the dots.

[1]

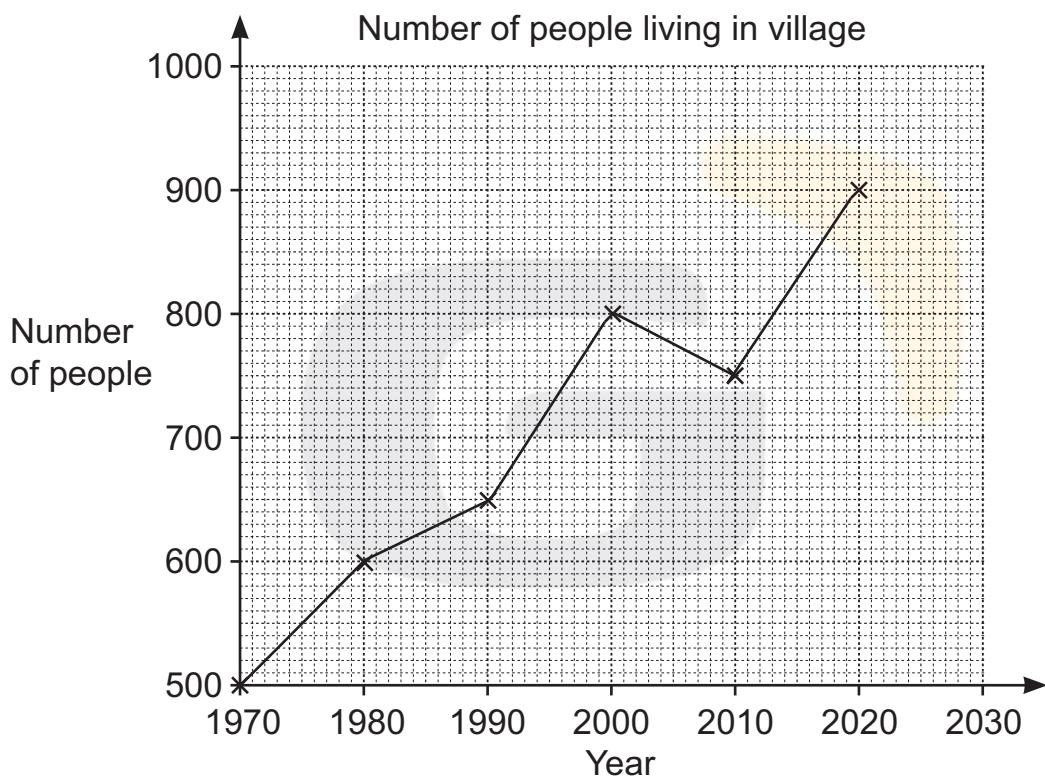
- 7 Here is a shape made of 100 squares.



Shade 3% of the shape.

[1]

- 8 The line graph shows the number of people living in a village.



- (a) Write the number of people living in the village in 1990

[1]

- (b) The number of people living in the village is expected to increase by 100 between 2020 and 2030

Complete the line graph to show this information.

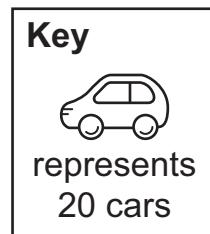
[1]

- 9 Round 106.3 to the nearest whole number.

[1]

- 10 Here is a pictogram showing the colour of cars in a car park.

Colour of cars	Number of cars
Red	5 red car icons
Yellow	3 yellow car icons
Blue	3 blue car icons
Green	4 green car icons



Yuri says, 'There are 5 red cars in the car park.'

Yuri is **not** correct.

Explain to Yuri how to work out the number of red cars in the car park.

[1]

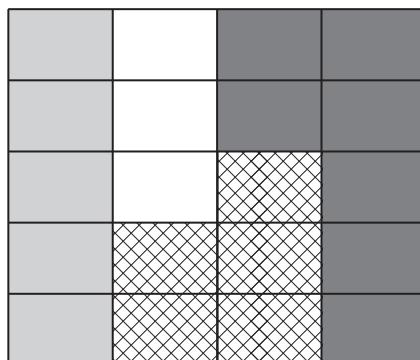
- 11 Write $\frac{4}{10}$ as a percentage.

%

Write 60% as a decimal.

[2]

- 12 The children in Year 5 each choose their favourite meal.
The waffle diagram shows the meal they choose.



Key	
Light Grey	pizza
White	burgers
Diagonal Hatching	pasta
Dark Grey	sandwich

- (a) Write the meal that most children choose.

[1]

- (b) 20 children choose pizza.

Write the number of children in Year 5

[1]

- 13 Draw a ring around **each** point that is closer to the x-axis than (5, 3).

(5, 2)

(4, 3)

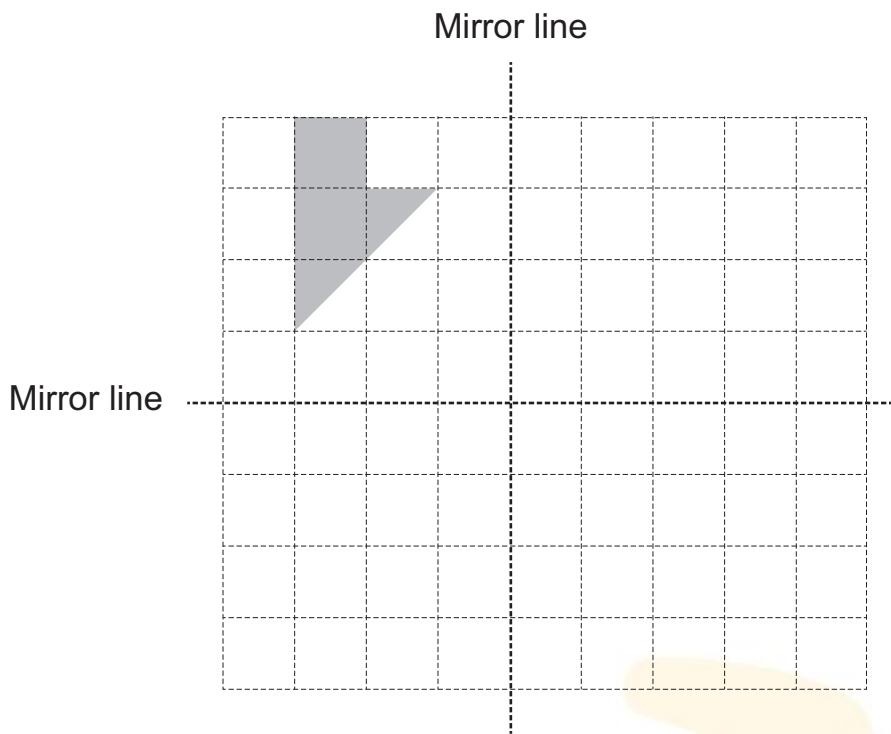
(6, 2)

(2, 4)

(5, 5)

[1]

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



The shape is reflected in the horizontal mirror line.

Draw the reflection on the grid.

[2]

15 Here are some numbers.

15 16 17 18 19

(a) Anastasia picks the two prime numbers and multiplies them together.

Write Anastasia's answer.

[1]

(b) Tick (✓) to show if Anastasia's answer is prime.

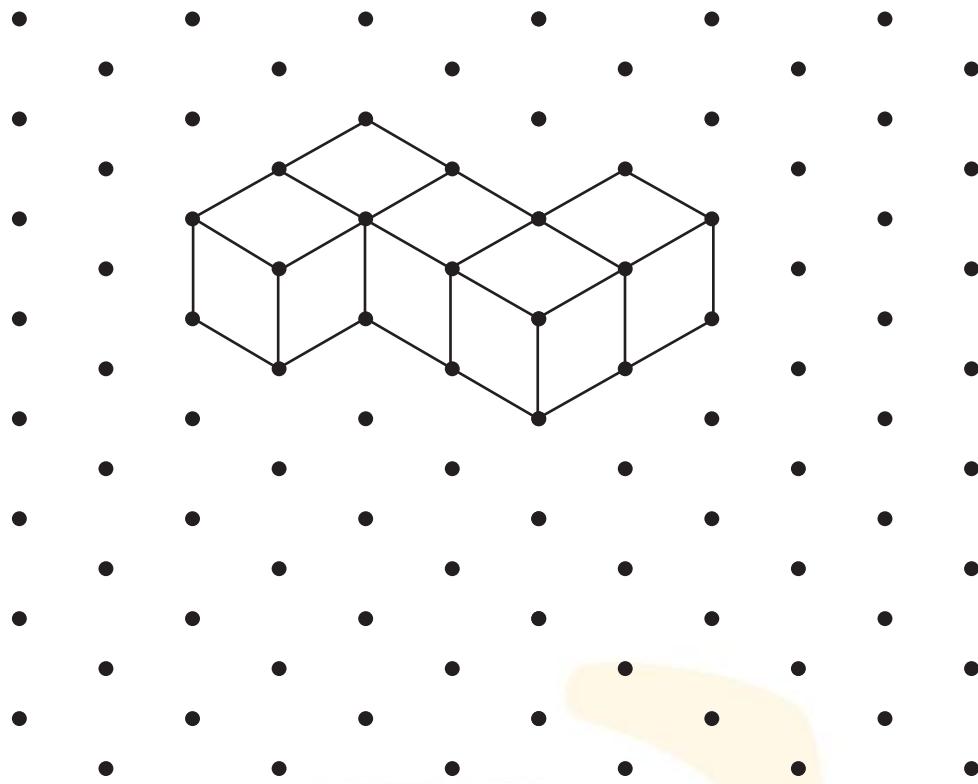
Yes

No

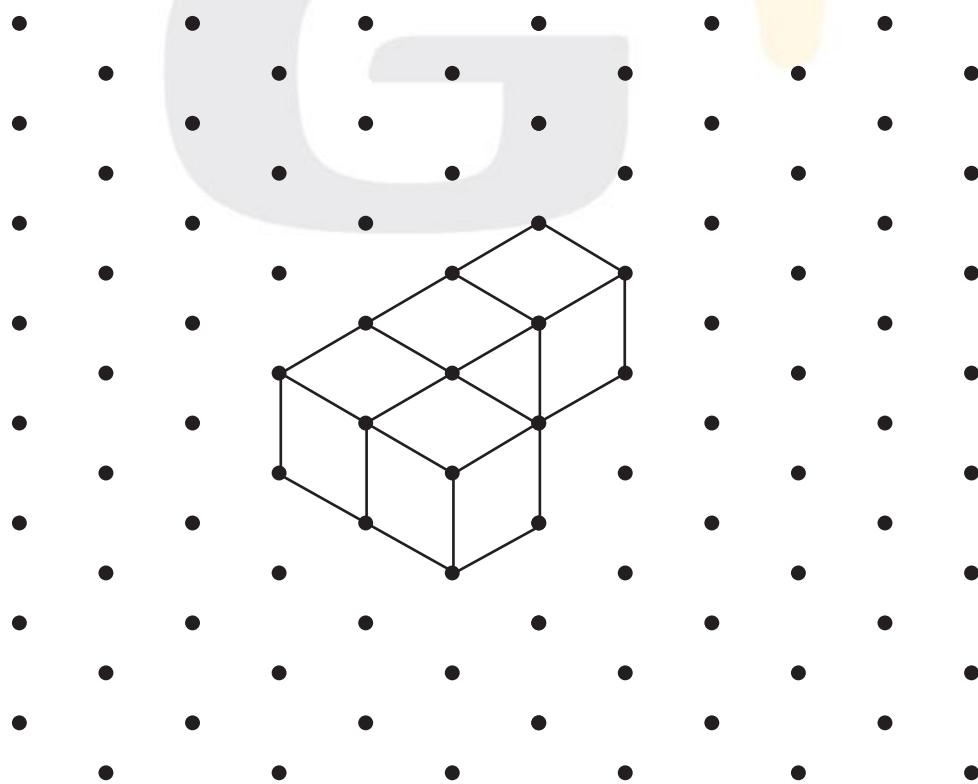
Explain how you know.

[1]

16 Here is a sketch of a 3D shape made with 5 small cubes.



Complete this sketch of the same shape in a different orientation.



[1]

17 Here are some fractions.

$$\frac{7}{8}$$

$$\frac{6}{8}$$

$$\frac{5}{8}$$

$$\frac{4}{8}$$

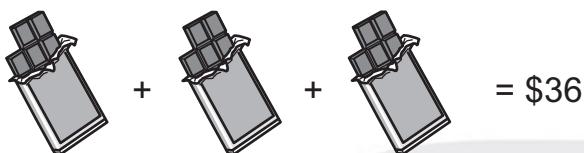
$$\frac{3}{8}$$

Use three of the fractions to complete the sentence.

$$\frac{\boxed{}}{\boxed{}} - \frac{\boxed{}}{\boxed{}} = \frac{\boxed{}}{\boxed{}}$$

[1]

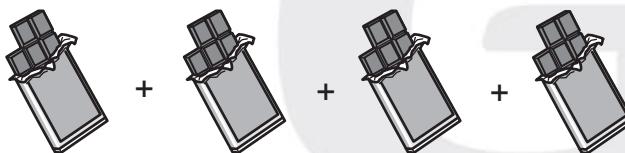
18 The price of a bar of chocolate, in dollars, is represented by



$$= \$36$$



Write the value of



\$ [1]

19 Hassan reads for 45 minutes.
He finishes reading at 3.35 pm.

Write the time Hassan starts reading.

[1]

20 Write a number in the box to make the sentence correct.

$$4 + 56 \div \boxed{} = 12$$

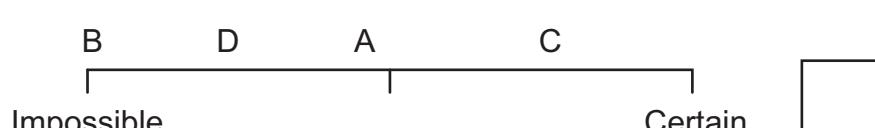
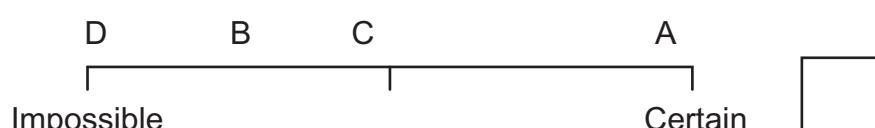
[1]

21 Here is a list of events labelled A, B, C and D.

Label	Event
A	Someone in Mia's class has pasta for dinner next Sunday.
B	Mia has a drink next Monday.
C	Mia is late for school next Tuesday.
D	Wednesday is the day after Saturday.

Lily wants to order the events on a likelihood scale.

Tick (✓) the correct likelihood scale.



[1]

22 Draw a line to match the size of each angle to the correct type of angle.

Size of angle

320°

Type of angle

acute angle

230°

obtuse angle

130°

reflex angle

30°

[1]

23 Eva has $\frac{1}{2}$ litre of juice.

She shares this equally into 5 glasses.

Write the amount of juice in each glass.
Give your answer as a fraction of a litre.

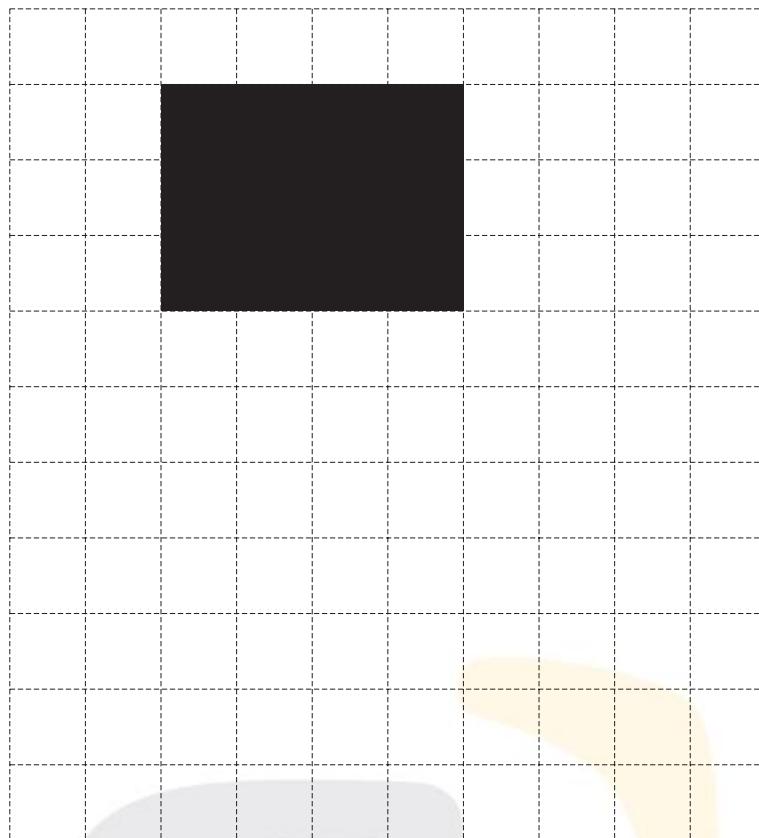
..... litre [1]

24 Mike has a 3D shape with exactly three faces.
Two of the faces are circles.

Write the name of Mike's shape.

..... [1]

25 Here is a rectangle drawn on a grid of centimetre squares.



Draw a rectangle with the **same** perimeter but a **different** area.
Use the grid.

[1]

26 A bag contains 10 beads.

There are only red, yellow and blue beads in the bag.
 Ahmed picks a bead at random and then returns it to the bag.
 He does this 100 times.

Here are his results.

Colour of bead	Number of times picked
Red	23
Yellow	28
Blue	49

Tick (\checkmark) all the statements that **could** be true.

There are more blue beads than yellow beads in the bag	<input type="checkbox"/>
There are more blue beads than red beads in the bag	<input type="checkbox"/>
There are more red beads than yellow beads in the bag	<input type="checkbox"/>

[1]

27 Here is part of a sequence.

The sequence has steps of constant size and continues in the same way.

18, , , , , 53

Write the number that comes after 53

..... [1]

28 Pierre and Oliver each estimate the answer to

$$668 - 327$$

Pierre rounds each number to the nearest hundred.
He writes $700 - 300 = 400$ as his estimate.

Oliver rounds each number to the nearest ten.
He writes $670 - 330 = 340$ as his estimate.

(a) Write one advantage of using Pierre's method.

.....
.....

[1]

(b) Write one advantage of using Oliver's method.

.....
.....

[1]

29 Write a **whole number** in the box to make the statement correct.

$$0.5 > \boxed{} \% > \frac{2}{5}$$

[1]

30 Samira chooses a 4-digit number.

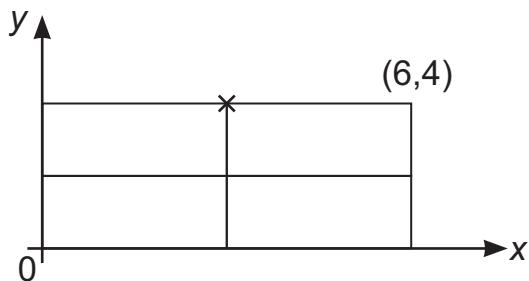
- Her number has four **different** digits.
- The total of the digits in her number is 12
- Each digit in her number is greater than 0
- One of the digits is 3
- The 3 has the greatest place value in her number.

Write the largest possible 4-digit number Samira could choose.

.....

[1]

- 31 Four identical rectangles are drawn on a coordinate grid to make a larger rectangle.

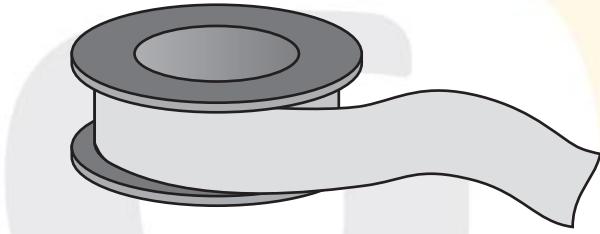


The point (6,4) and the origin are vertices of the larger rectangle.

Write the coordinates of the point marked with a cross.

(..... ,) [1]

- 32 Gabriella has some ribbon.



She says, '120 cm is $\frac{3}{4}$ of the length of my ribbon.'

Write the **total** length of the ribbon.

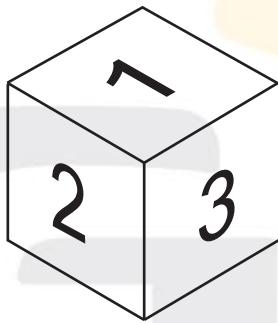
..... cm [1]

- 33** Rajiv counts on in steps of 8
 The first 3-digit number he says is 103

Write the first 4-digit number he says.

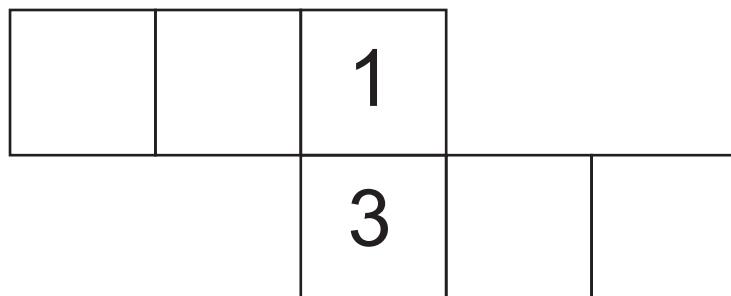
[1]

- 34** Here is a drawing of a dice.



The numbers on the opposite faces of the dice add up to 7

Write a number on each face to complete the net of the dice.



[1]

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