



Mathematics

Stage 4

Paper 2

2024

Cambridge Primary Progression Test

Name

Class

Date

40 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 30.
- The number of marks for each question or part question is shown in brackets [].

1 Calculate.

$$613 - 265$$

..... [1]

2 Draw a ring around the fraction with the largest value.

$$\frac{2}{7}$$

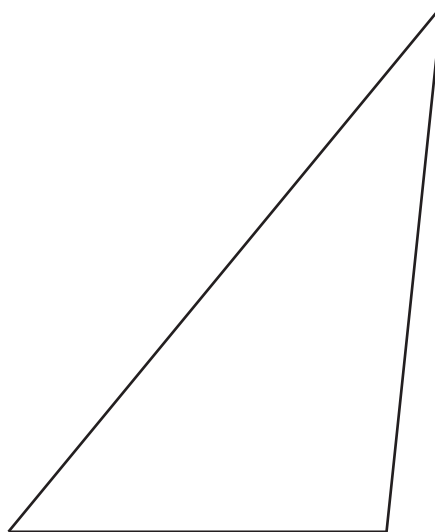
$$\frac{2}{5}$$

$$\frac{2}{11}$$

$$\frac{2}{9}$$

[1]

3 Here is a triangle.



Measure the perimeter of the triangle.

perimeter = cm [1]

4 Naomi says,



An odd number subtract an even number always gives an even number.

Write an example to show that Naomi is **not** correct.

.....
 [1]

5 Write a 3-digit number that is greater than 600 **and** is a multiple of 5

..... [1]

6 Here is part of a television timetable.

Time	Programme
18:00	News
18:15	Animals and Nature
19:10	Cartoon Time
19:25	Weather
19:30	Film

Mike turns the television on at 6.30 pm.

Write the name of the programme that is on at that time.

..... [1]

7 Round 765432 to the nearest 1000

..... [1]

8 Here are four numbers.

230 145

301 452

452 310

503 214

Draw a ring around the number with a 3 that represents thirty thousand. [1]

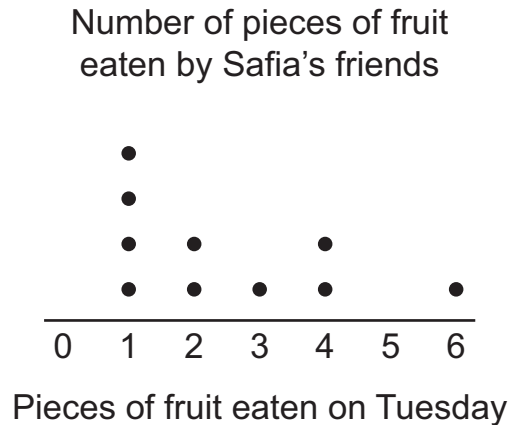
9 Write a number in each box to make the statements correct.

$$\frac{1}{8} \text{ of } 40 = \square$$

$$\frac{1}{5} \text{ of } \square = 10$$

[2]

- 10** Safia wants to know the number of pieces of fruit her friends eat in one day. She asks her friends how many pieces of fruit they eat on Tuesday. She records her data in a dot plot.



- (a)** Write the number of friends that Safia asks.

..... [1]

- (b)** Tick (✓) the statements that are true.

More than half of Safia's friends eat exactly one piece of fruit.

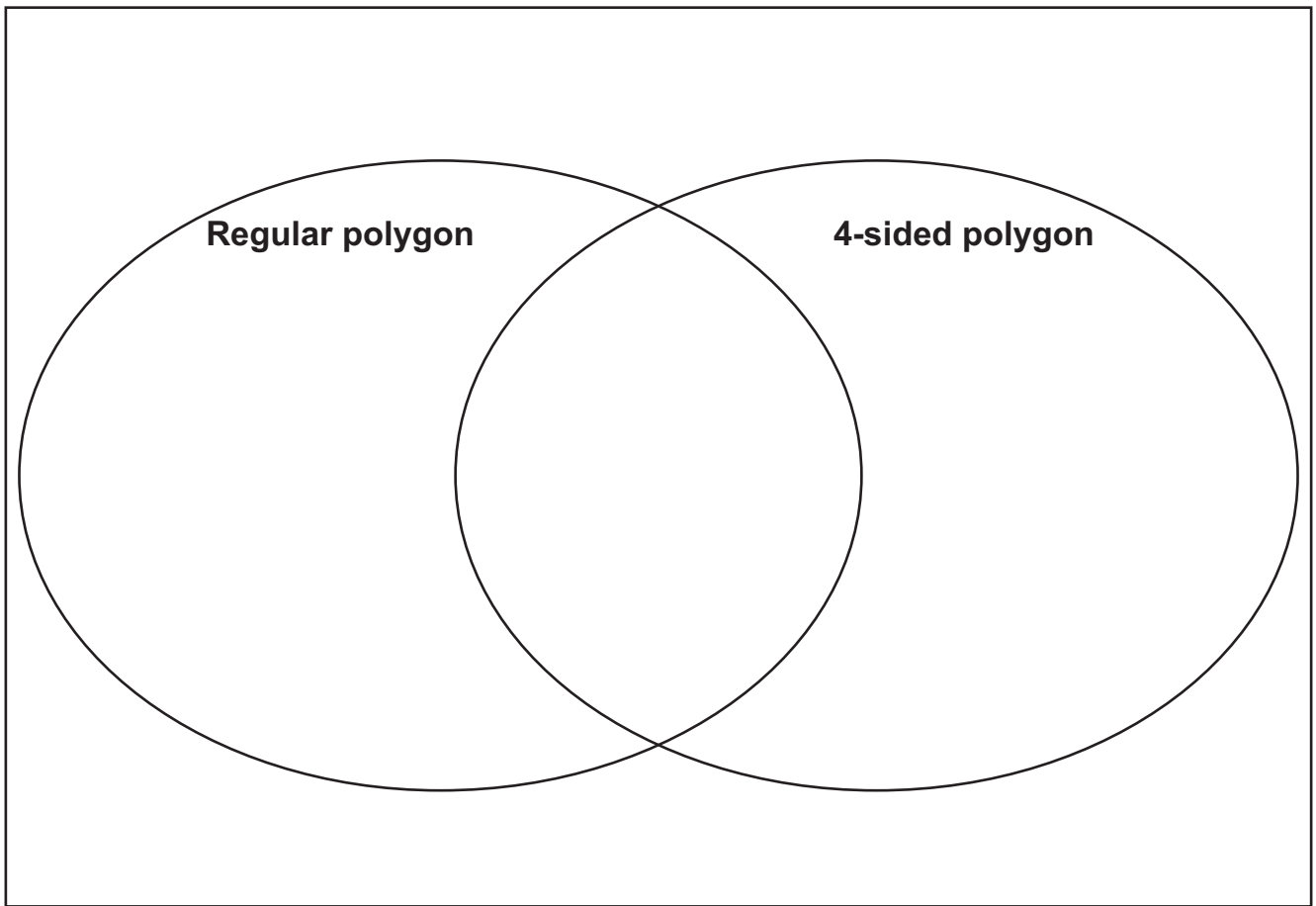
Three of Safia's friends eat more than 3 pieces of fruit.

Safia's friends eat a total of 25 pieces of fruit.

Exactly one of Safia's friends eats 4 pieces of fruit.

[1]

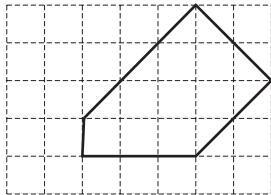
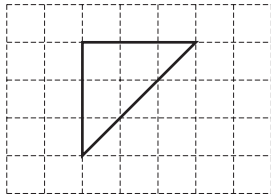
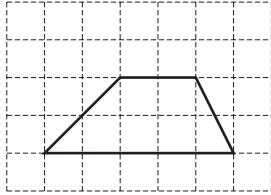
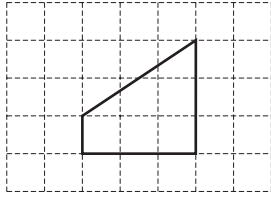
11 Here is a Venn diagram.



Draw a correct polygon in each of the **four sections** of the Venn diagram. [2]

12 Here are four shapes drawn on grids of squares.

Shape



Number of right angles in the shape

0

1

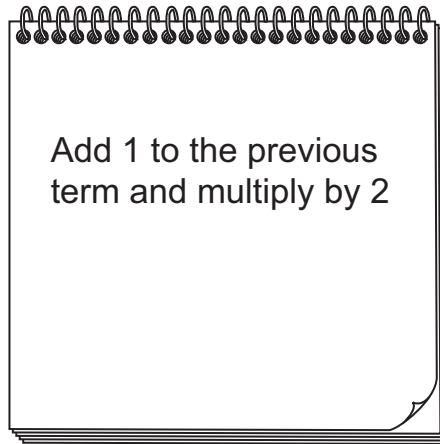
2

3

4

Draw a line to match each shape to the number of right angles in the shape. [1]

13 Here is a rule for a sequence.

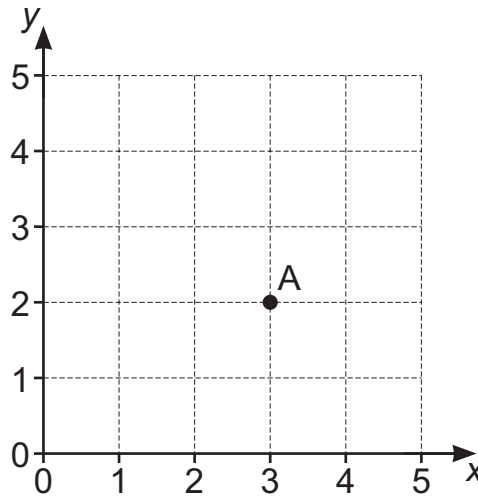


The first term of the sequence is 4

Write the next two terms.

..... [1]

- 14 (a)** Here is a coordinate grid.
Point A is marked on the grid.



Write the coordinates of point A.

(..... ,) [1]

- (b)** Here are the coordinates of four different points.

(3, 3)

(0, 6)

(4, 0)

(0, 0)

Draw a ring around the coordinates of the point that is the greatest distance along the x-axis.

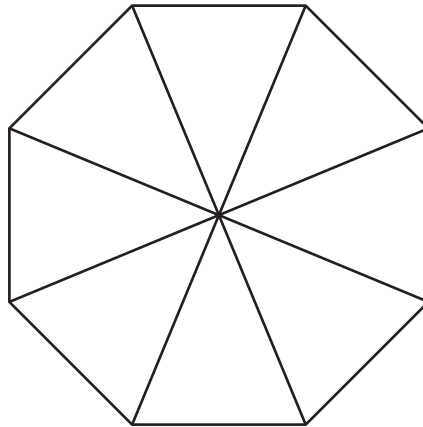
[1]

- 15** Write the correct number in the box.

$$6714 = 6000 + 600 + \boxed{} + 4$$

[1]

18 Yuri draws four lines of symmetry on a regular octagon.



Yuri says,



A regular octagon has exactly 4 lines of symmetry.

Yuri is **not** correct.

Draw **all** the other lines of symmetry on the regular octagon to show Yuri the correct answer.

[1]

19 Jamila chooses a 3-digit number.
The digits are all different.
The number has no tens.
The total of the digits is 6

Write the largest number Jamila could choose.

..... [1]

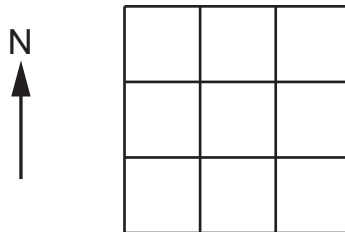
20 Here is a number sentence.

$$\frac{3}{\square} + \frac{\square}{7} = \frac{5}{7}$$

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

[1]

21 Here is a grid of squares.



Here are some statements about the positions of **four** different numbers.

5 is north of 8
8 is west of 3
2 is south of 3

Write each of the four numbers in a different square on the grid to make the statements correct.

[1]

22 Write the number **eight hundred and eight thousand and eighty-eight** in figures.

..... [1]

23 Here are four fractions.

$$\frac{2}{5}$$

$$\frac{3}{10}$$


$$\frac{5}{20}$$


$$\frac{14}{40}$$

Write the fractions in order of size, starting with the smallest.

..... smallest largest

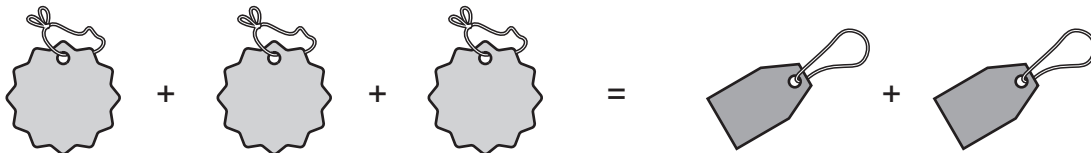
[1]

24 The label  shows the price of a ball in dollars.

The label  shows the price of a toy car in dollars.

The price of each item is a **whole number** of dollars.

Here is a sentence about the price of a ball and the price of a toy car.



The diagram shows an equation: three price tags for balls (represented by scalloped-edged tags) plus two price tags for toy cars (represented by rectangular tags) are equal to two price tags for toy cars.

Write the smallest possible price of the toy car.

\$ [1]

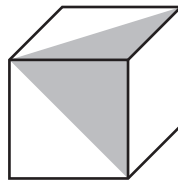
- 25** Rajiv uses the associative property to solve a multiplication calculation. Here is part of his calculation.

$$\begin{aligned} \square \times 6 &= 9 \times \square \times \square \times 3 \\ &= \square \times 10 \\ &= 270 \end{aligned}$$

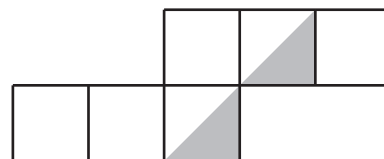
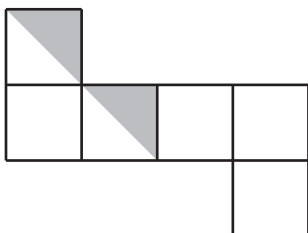
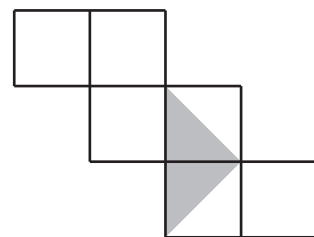
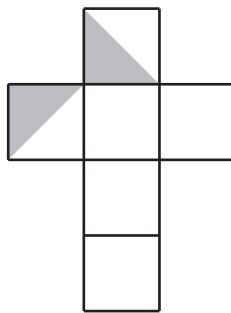
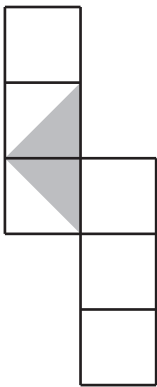
Write a different number in each box to complete his calculation.

[1]

- 26** Here is a drawing of a cube.



Tick (✓) all the possible nets of the cube.



[1]

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