



Cambridge Primary Progression Test

Mathematics paper 1

Stage 4



35 minutes

Name

Additional materials: Ruler

Calculators are **not** allowed.

READ THESE INSTRUCTIONS FIRST

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

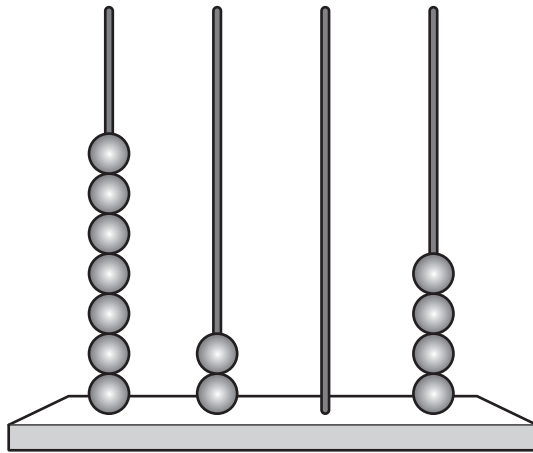
You should show all your working on the question paper.

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 25.

| For Teacher's Use | |
|-------------------|------|
| Page | Mark |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| Total | |

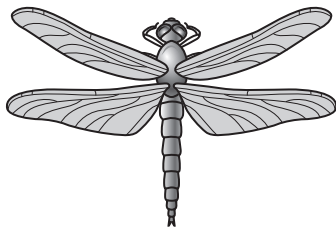
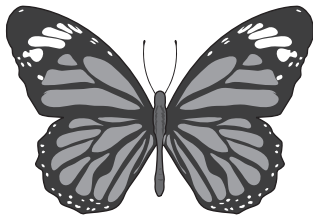
1 Mia makes a whole number on a counting frame.



Write this number in figures.

..... [1]

2 Here are four pictures from nature.



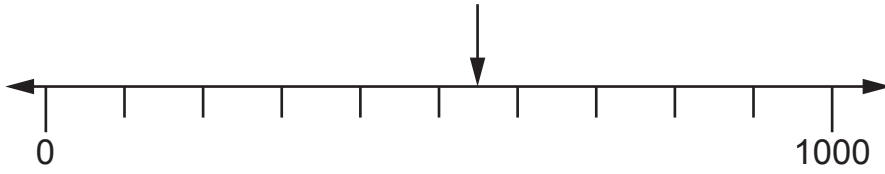
Tick (✓) all the pictures that have one line of symmetry.

[1]

3

3 Write the number shown by the arrow.

For
Teacher's
Use

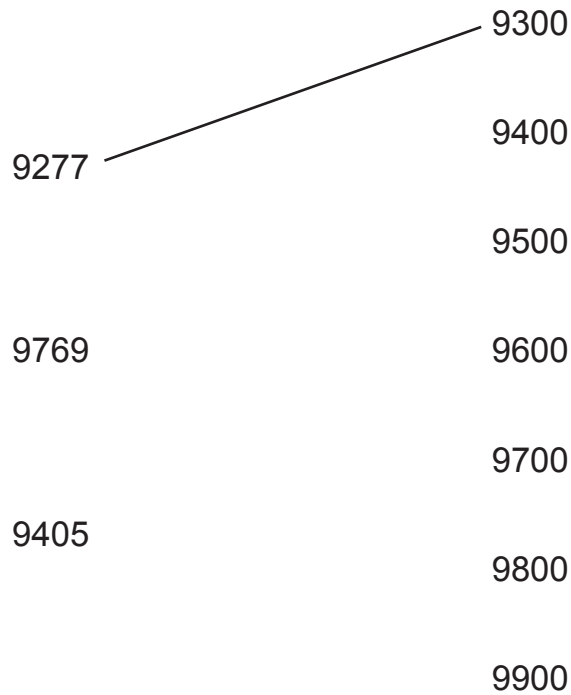


..... [1]

4 Draw lines to show each number rounded to the nearest hundred.

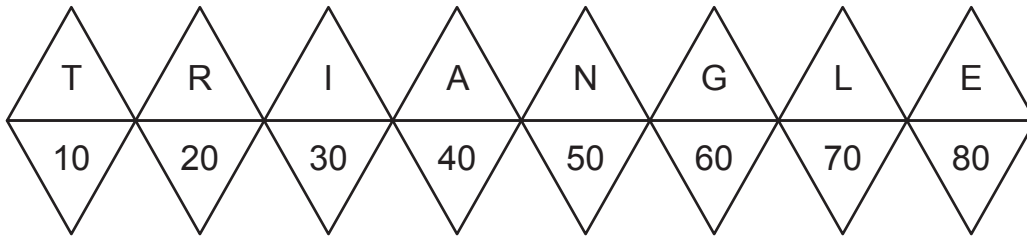
The first one has been done for you.

Rounded to the nearest hundred



[1]

- 5 Each letter of the word TRIANGLE has been given a value.



The value of the word ANT = $40 + 50 + 10 = 100$

Find the value of the word EGG.

..... [1]

- 6 Here are some numbers.

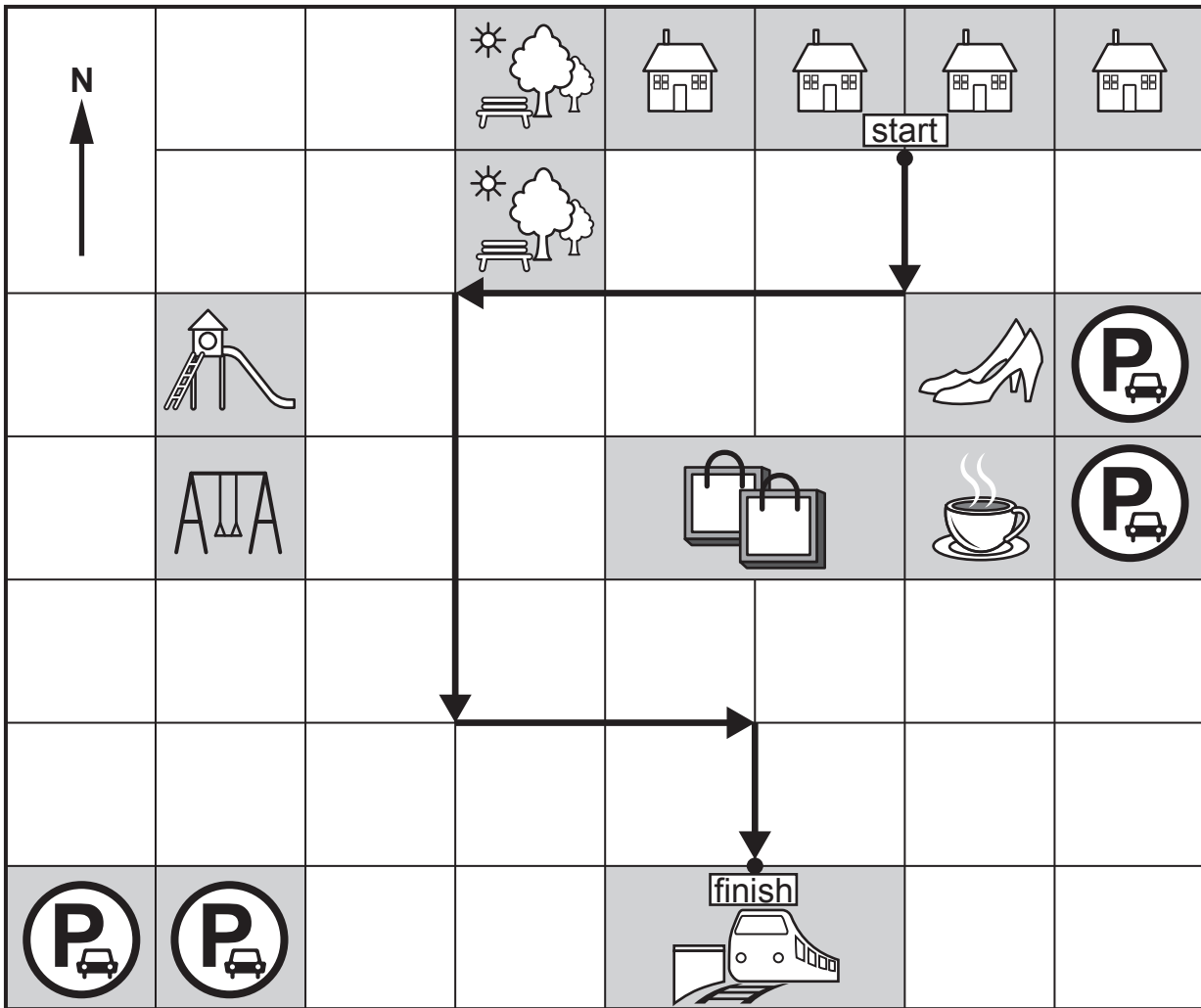
26 59 37 48

Mike adds two of these numbers.

What is the **largest** total he can make?

..... [1]

7 This is part of a town plan on a grid of squares.
A taxi takes Lily to the station.



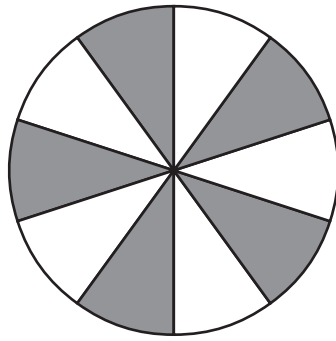
Complete this chart showing the route of the taxi to the station.

The first row has been done for you.

| | | |
|--------|------------------|-----------------|
| Start | Direction | Distance |
| ↓ | South | 1 square |
| ↓ | | |
| ↓ | | |
| ↓ | | |
| ↓ | | |
| Finish | | |

[2]

8 Here is a circle.



How much of the circle is shaded?

Write your answer as a fraction **and** a decimal.

.....

[1]

9 Here is part of a sequence.

83 75 67

The sequence continues in the same way.

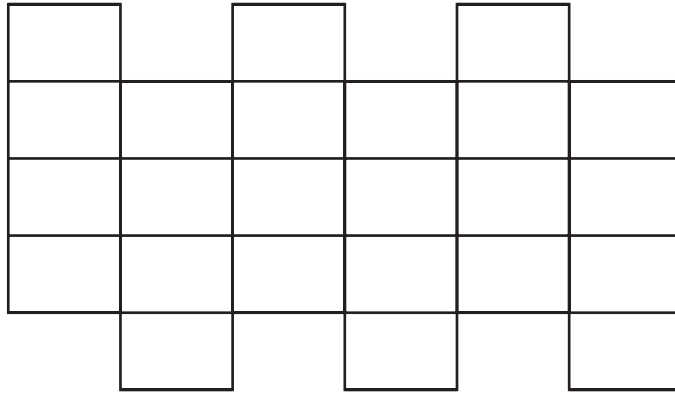
(a) What is the next number in the sequence?

..... [1]

(b) Explain the rule for this sequence.

..... [1]

10 Here is a diagram made from identical rectangles.



Shade $\frac{1}{8}$ of the diagram.

[1]

11 Match each shape on the left to one with **equal area** on the right.

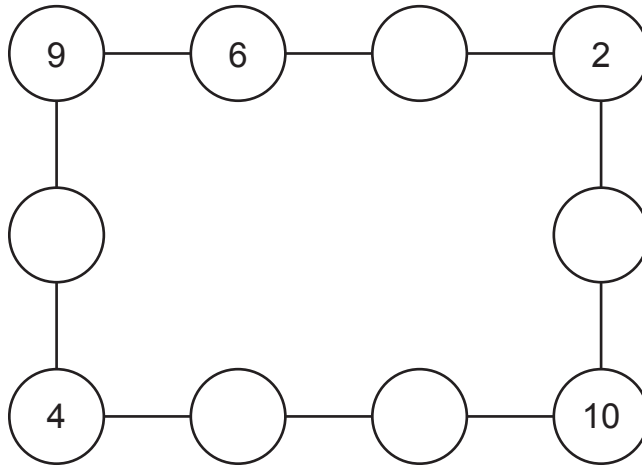
The first one has been done for you.

| Shape | Area |
|-------|------|
| | |
| | |
| | |
| | |
| | |

[2]

12 Arrange each of the numbers 1, 3, 5, 7 and 8 in the spaces on the diagram.

The sum of the numbers on each line must be 20



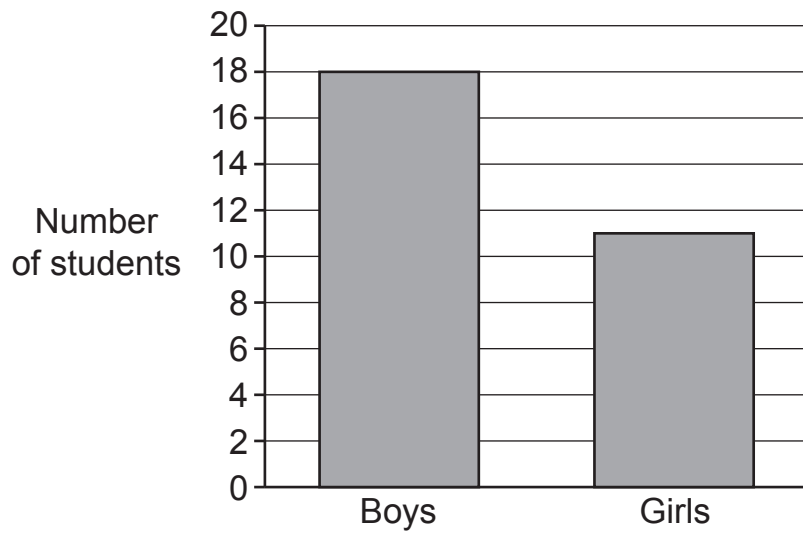
[1]

13 Complete the multiplication grid.

| | | | |
|---|----|----|----|
| × | 3 | 6 | |
| | 6 | 12 | 8 |
| 5 | | | 20 |
| 9 | 27 | | 36 |

[2]

14 The bar chart shows the number of students in Class 4



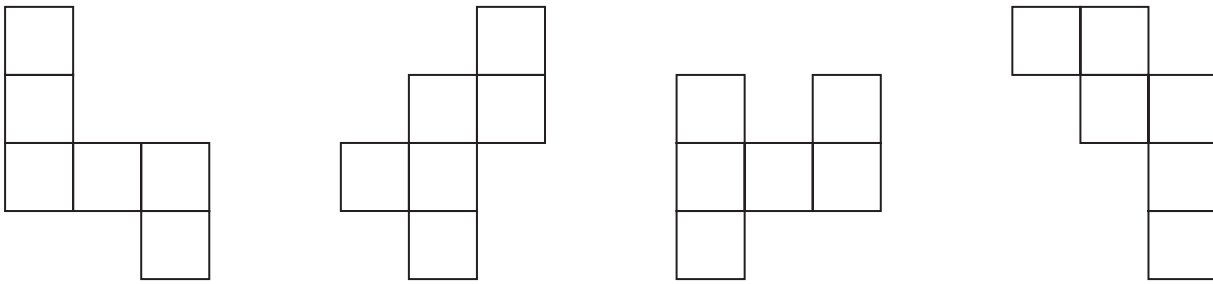
Half the boys in Class 4 cycle to school.
No girls cycle to school.

Complete the Carroll diagram to show this information.

| | Cycle to school | Do not cycle to school |
|----------|-----------------|------------------------|
| Boys | | |
| Not boys | | |

[2]

15 Draw a ring around the net of a cube.



[1]

16 Use each digit card once to make the statement correct.



$$\frac{\square}{\square} = \square \cdot \square$$

[1]

17 A young giraffe is 180 cm tall.
His mother is three times as tall.

What is the height of the mother giraffe?

Give your answer as a whole number of metres and centimetres.

..... metres and centimetres [1]

18 Three boys Ahmed, Rajiv and Chen collect stamps.



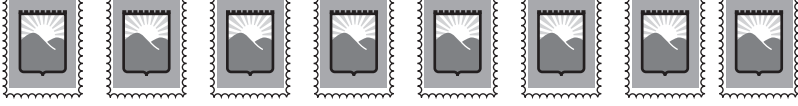
Each boy makes a statement.

Ahmed says: I have more stamps than Rajiv.

Rajiv says: I have fewer stamps than Chen.

Chen says: Rajiv and I have 30 stamps altogether.

Write the boys' names in the correct place on the pictogram.

| Boy | Number of stamps |
|-------|--|
| |  |
| |  |
| |  |



represents 2 stamps

[1]

19 Here are four digit cards.



Use each of these cards once to make this calculation correct.

$$\begin{array}{|c|c|c|} \hline & & 1 \\ \hline \end{array} - \begin{array}{|c|c|c|} \hline & 8 & \\ \hline \end{array} = 234$$

[2]

