Cambridge Primary Sample Test

For use with curriculum published in September 2020

Mathematics Paper 1

Stage 4

40 minutes

Name ⁃⁃⁃

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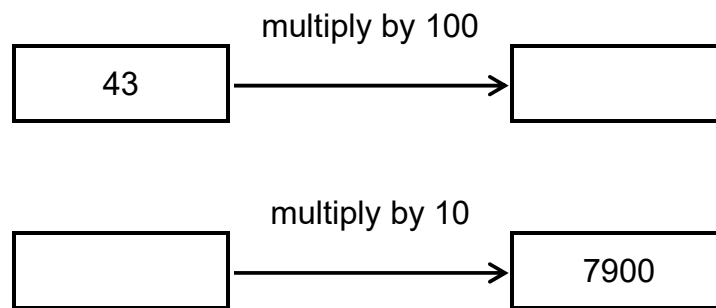- The number of marks for each question or part question is shown in brackets [ ].

1 Here is a chart.

1000	2000	3000	4000	5000	6000	7000	8000	9000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

Calculate the total of the shaded numbers.

.... [1]

2 Write the missing numbers in the empty boxes.

multiply by 100

43 → ☐

multiply by 10

☐ → 7900

[2]

3 Write a number in each box to make these correct.

$4 \times 90 =$ ☐

$4 \times$ ☐ $= 1200$

[1]

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4 Write the number name for 28 745

.... [1]

5 Here are five numbers.

47 532   46 523   46 253
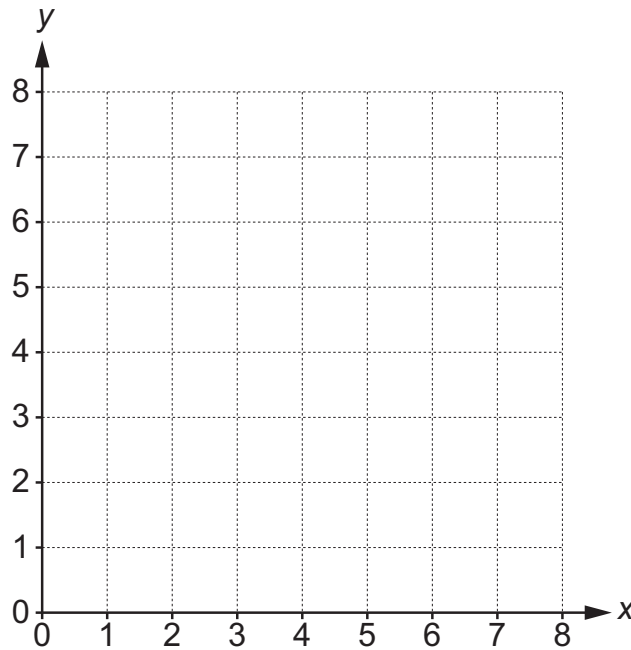
          45 732   47 325

Draw a ring around **each** number that rounds to 47 000 when rounded to the nearest 1000 [1]

6 Here is a coordinate grid.

Plot the point (4, 6).

[1]

7 Here is a number chart.
There are counters covering some numbers.

11	12	13	14	●	16	17	18	19	●
21	22	23	24	●	26	27	28	29	●
31	32	33	34	●	36	37	38	39	●
41	42	43	44	●	46	47	48	49	●

Tick (✓) the statement that describes **all** the numbers that are covered.

All the numbers are even. ☐

All the numbers are multiples of 10 ☐

All the numbers are multiples of 5 ☐

All the numbers have a 5 in the ones place. ☐

[1]

8 Write = or < or > in the boxes to make these statements correct.

2345 ☐ 2354

100 hundreds ☐ 10 thousands

[1]

9 Here is a map of an island.

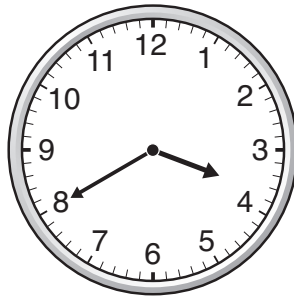Jamila is standing on the place marked with a cross (X).
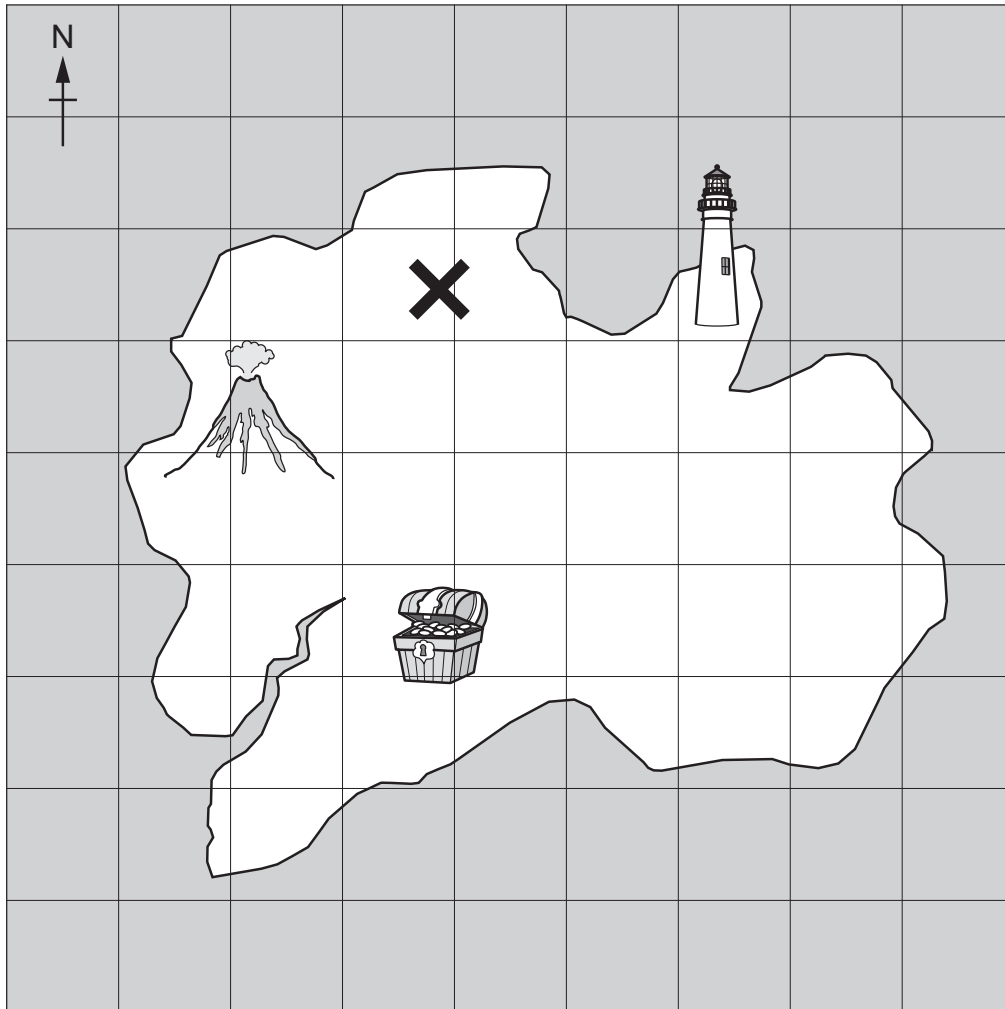
Complete the table showing the direction of the treasure, lighthouse and volcano from the cross (X).

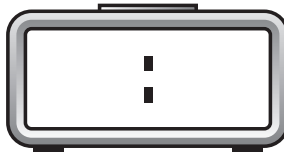One has been done for you.

		Direction from cross (X)
treasure		south
lighthouse		
volcano		

[1]

10 This clock shows the time in the **afternoon**.

Write the same time on this digital clock.

Use the 24-hour clock.

[1]

11 Ahmed is in Class 4

Draw a line to join each statement to the correct likelihood.

	no chance
When Ahmed was 1 year old, he was shorter than he is now.	poor chance
	even chance
In 10 years' time, Ahmed will be younger than he is now.	good chance
	certain

[1]

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12 Class **A** and Class **B** record their favourite type of TV programme.
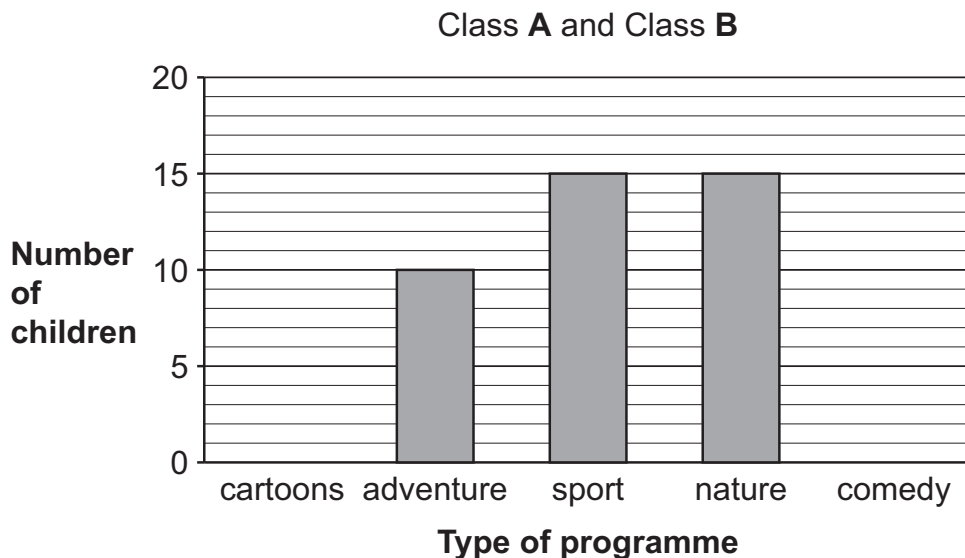
These two graphs show their results.
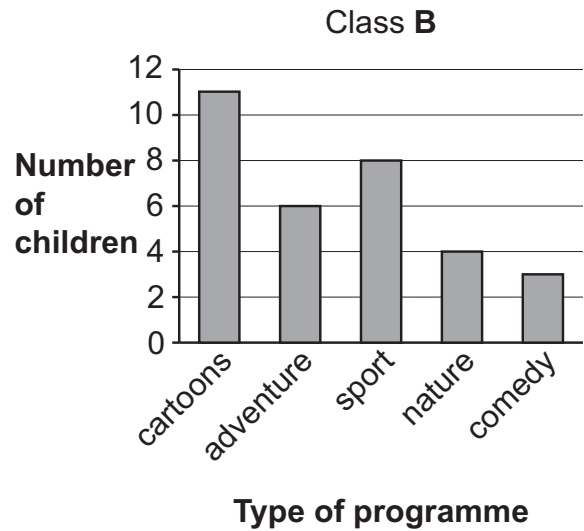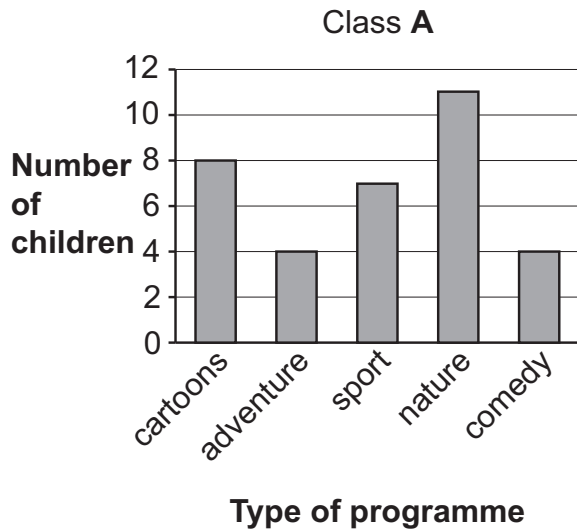
Class **A**

Class **B**

(a) How many **more** children like nature programmes in Class **A** than in Class **B**?

.... children   [1]

(b) The data for Class **A** and Class **B** is added together.

Draw **two** bars on this bar chart to show **all** the information for Class **A** and Class **B**.
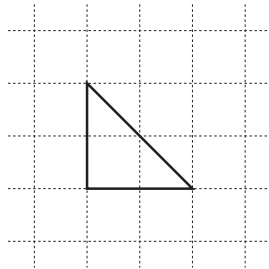
Class **A** and Class **B**

[1]

                                       [Turn over

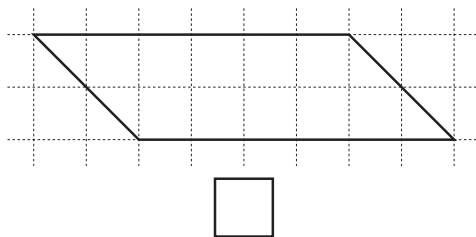**13** Write the correct number in the box.
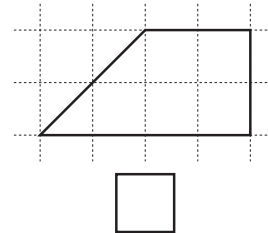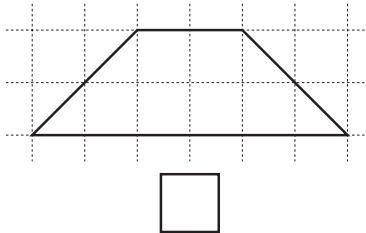
| | divided by 4 is 7 remainder 3

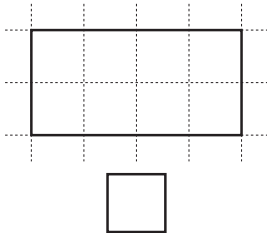[1]

14 Here is a triangular tile.

Chen makes new shapes with **4** identical triangular tiles.

Tick (✓) **each** shape that Chen can make.

□   □   □

□   □

[2]

M/S4/01
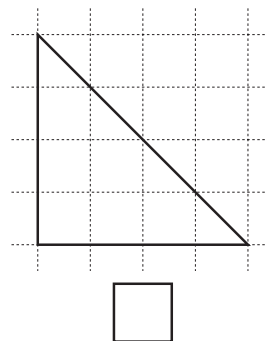
15 Draw the reflection of this shape in the mirror line.

Use a ruler.

Mirror line
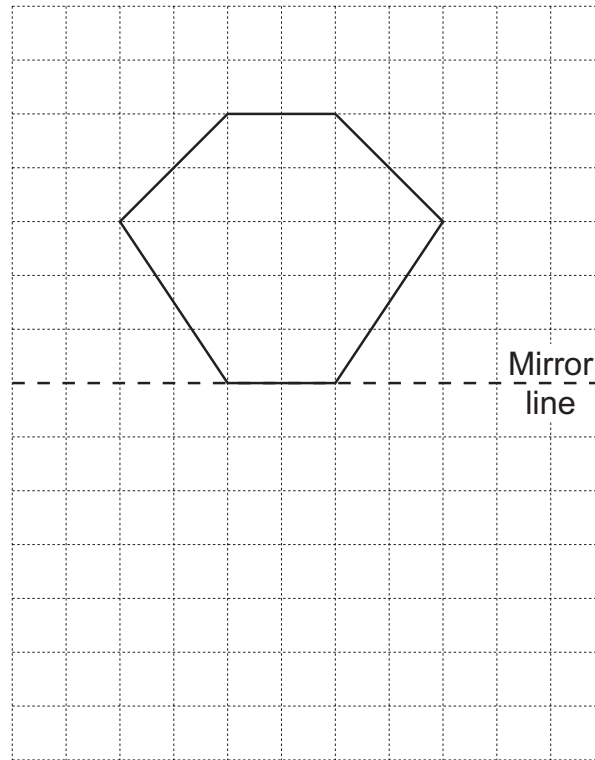
[1]

16 Draw lines to join the equivalent calculations.

One has been done for you.

5 × 4 × 10	10 × 15
5 × 3 × 4	12 × 6
5 × 10 × 3	20 × 10
4 × 3 × 6	20 × 6
6 × 4 × 5	12 × 5

[2]

M/S4/01   **[Turn over**

17 Here is a grid of squares.

Draw a rectangle with an area of 24 square units using the lines **on this grid**.
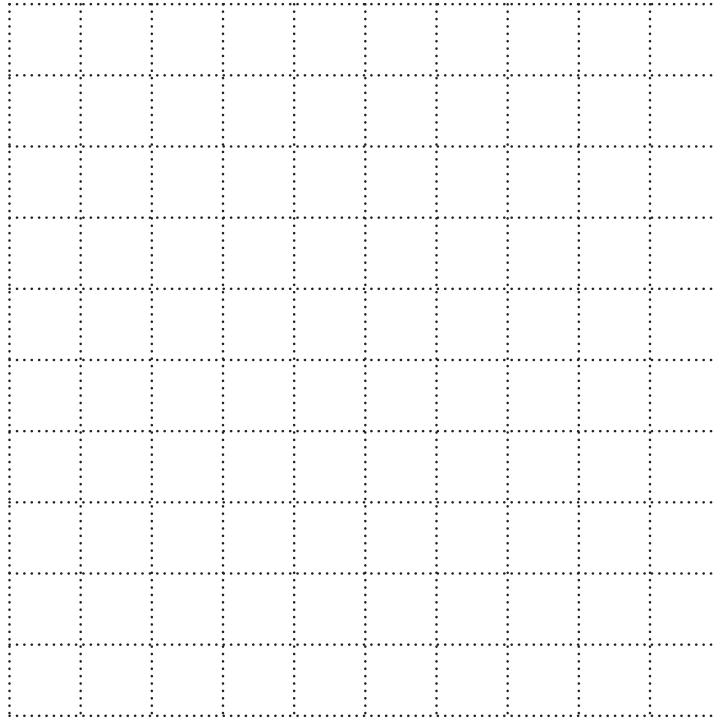
[1]

18 Draw lines to join the equivalent fractions.

One has been done for you.

$\dfrac{1}{2}$ $\dfrac{9}{24}$

$\dfrac{1}{4}$ $\dfrac{12}{24}$

$\dfrac{3}{8}$ $\dfrac{6}{24}$

$\dfrac{1}{3}$ $\dfrac{8}{24}$
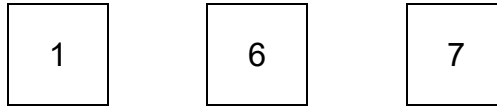
[1]

19 Here is part of a sequence.

     1, 6, 11, 16, 21, 26, …

The sequence continues in the same way.

Here are some digit cards.

| 1 | 6 | 7 |

Mia uses these cards to make 3-digit numbers.

Write down **all** the numbers Mia makes that are in the sequence.

.... [2]

20 Complete the multiplication grid.

×		9	
	6	18	14
	27		

[1]

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

$$\frac{3}{5} \quad < \quad \frac{\boxed{}}{20} \quad < \quad \frac{9}{10}$$

[1]

22 Oliver measured the temperature in a school playground each day for a week.

- It was the same temperature on Tuesday and Thursday.
- It was 13 °C warmer on Monday than Friday.
- It was 24 °C on Friday.
- It was 18 °C cooler on Wednesday than Monday.
- It was 13 °C warmer on Tuesday than Wednesday.
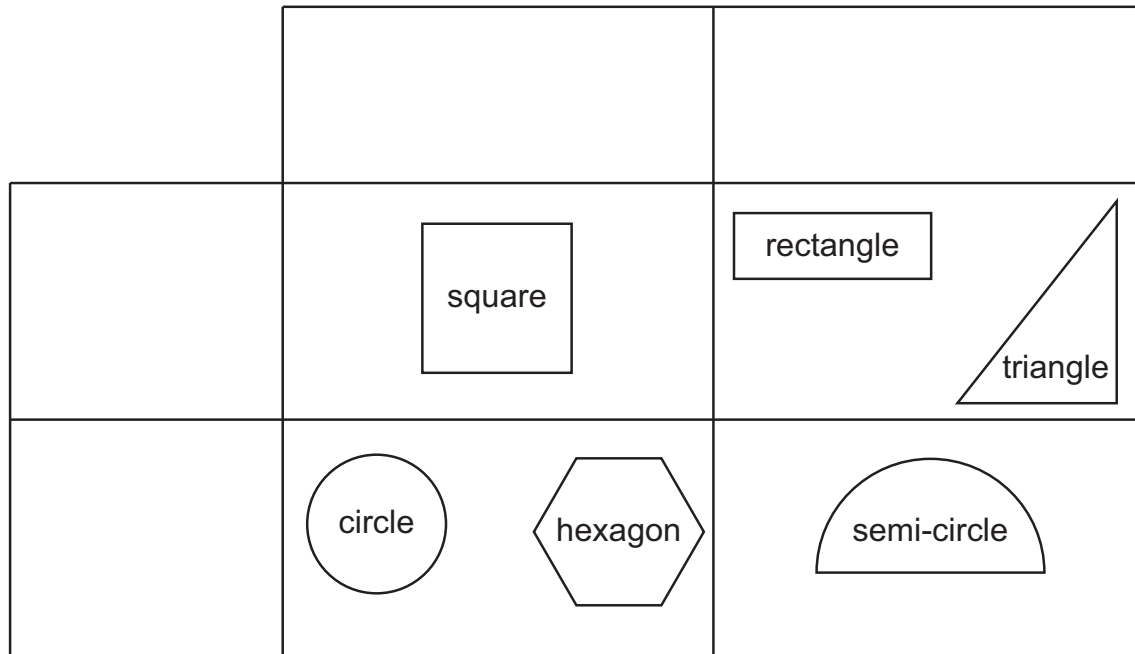
Use this information to complete the table.

One has been done for you.

Days of the week	Temperature
Monday	.... °C
Tuesday	.... °C
Wednesday	.... °C
Thursday	.... °C
Friday	24 °C

[2]

23 Some shapes are placed in a sorting diagram.

The four labels are missing.

Here are some possible labels.

A	Have at least 1 right angle
B	Have exactly 2 lines of symmetry
C	Have at least 4 vertices
D	Regular shapes
E	Have no right angles
F	Irregular shapes
G	Have no lines of symmetry

Write a letter in **each** empty box on the sorting diagram to show the correct labels.

[2]

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