

# Cambridge Primary Sample Test

## For use with curriculum published in September 2020

### Mathematics Paper 2

#### 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.

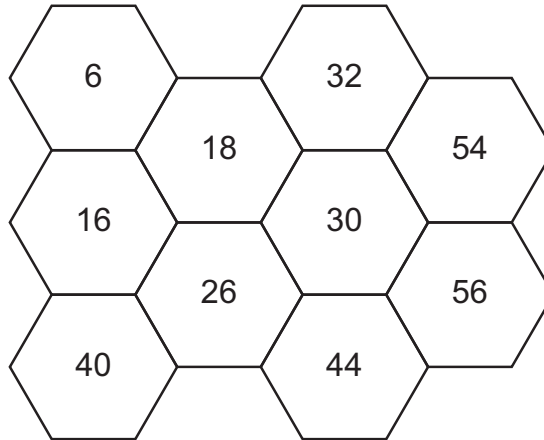
#### INFORMATION

- The total mark for this paper is 30.
- The number of marks for each question or part question is shown in brackets [ ].

- 1 Write the value of the 6 in the number 36 147

..... [1]

- 2 Draw a ring around **each** multiple of 6 on the grid.



[1]

- 3 Here is part of a sequence.

78, 69, 60, ...

The sequence continues in the same way.

- (a) Write the next **two** terms in this sequence.

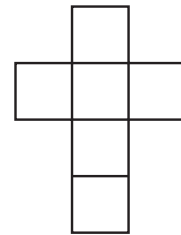
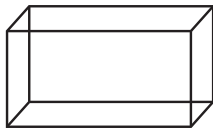
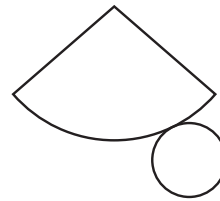
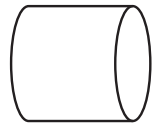
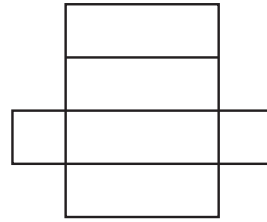
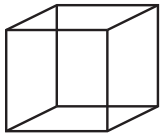
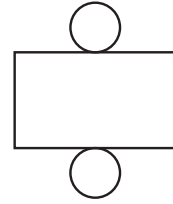
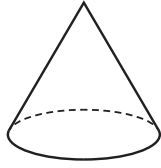
....., ..... [1]

- (b) Complete the rule for this sequence.

I use the previous term and ..... [1]

4 Angelique cuts and unfolds four containers to make flat shapes.

Draw lines to join the containers to the flat shapes they make.



[2]

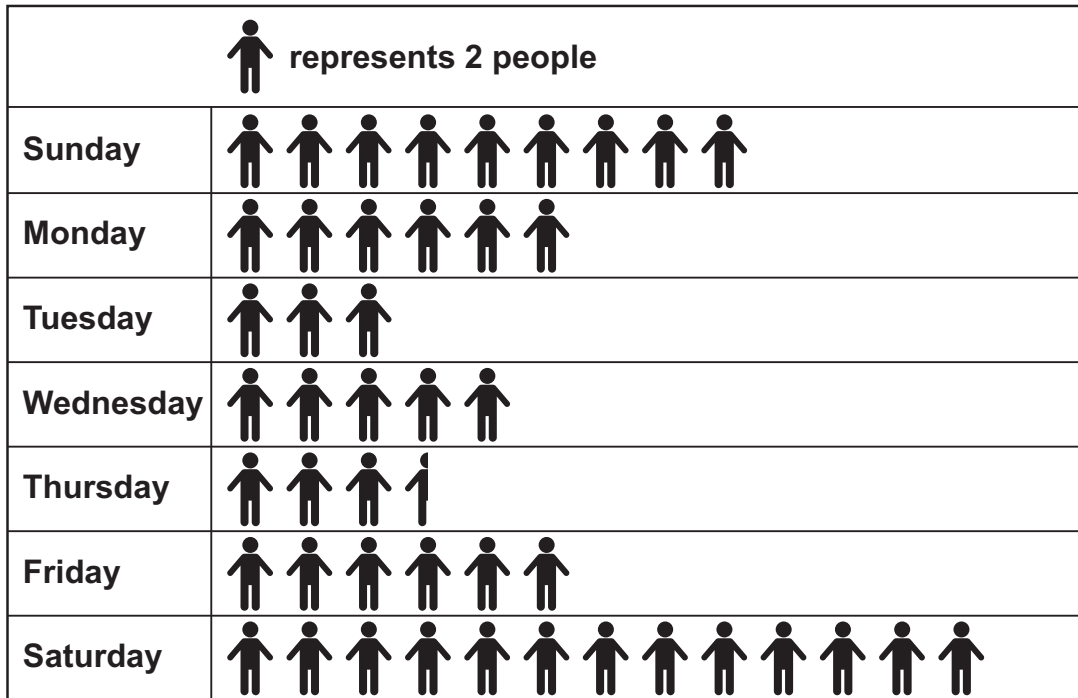
5 Tick (✓) the correct box to show if the answers are odd or even.

	Even answer	Odd answer
An even number plus an even number		
An even number plus an odd number		
An odd number plus an odd number		

[1]

6 Here is a pictogram.

It shows the number of visitors to a library in one week.



Chen looks at the chart and says,

'I know an odd number of people visited the library this week.'

Explain how Chen knows this without finding the total.

.....  
 ....., [1]

7 Draw a line to join each description to the type of angle.

The angle in a quarter turn

acute angle

An angle less than  $90^\circ$

obtuse angle

An angle greater than  $90^\circ$   
and less than  $180^\circ$

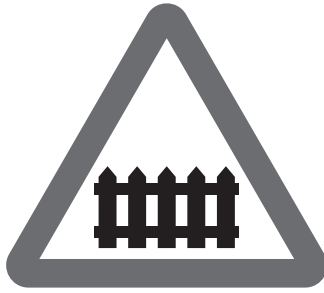
right angle

[1]

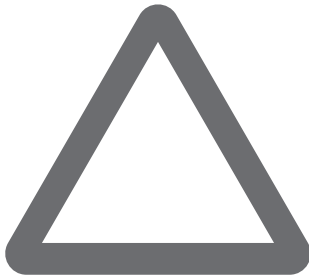
8 Here are some road signs.

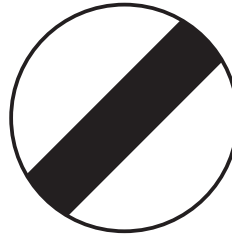
Write the number of lines of symmetry of each sign.












[2]

9 Write a number in **each** box to make this statement correct.

$$\frac{\square}{5} + \frac{3}{5} + \frac{\square}{5} = \frac{6}{5}$$

[1]

10 Here is a train timetable.

Train timetable				
<b>Starby</b>	08:45	10:15	13:10	14:35
<b>Suntown</b>	09:10	10:40	13:35	15:00
<b>Moonham</b>	10:00	11:30	14:25	15:50
<b>Cloudy Bay</b>	10:35	12:05	15:00	16:25

(a) How long does it take to travel from Starby to Suntown?

..... minutes [1]

(b) Hassan arrives at Moonham station at 15:03

How long does he wait for the train?

..... minutes [1]

11 A story in a book has 312 pages.

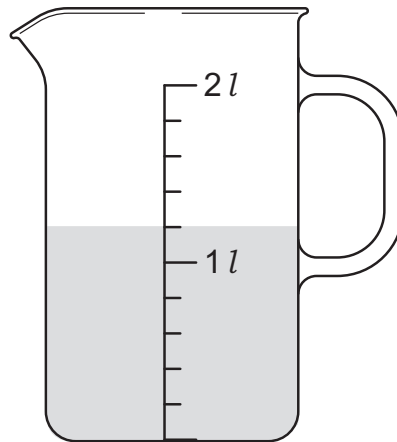
Pierre reads 137 pages on Monday.

He reads 82 pages on Tuesday.

How many more pages does Pierre have left to read?

..... pages [1]

12 Here is a jug of water.



Rajiv pours 500 ml of water out of the jug.

Draw a line on the jug to show the new level.

[1]

13 Write these times in order, starting with the shortest.

100 minutes

1 hour

600 seconds

1 hour  
10 minutes

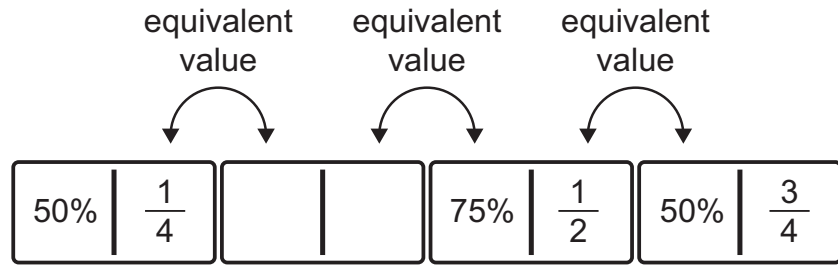
.....  
shortest

.....  
longest

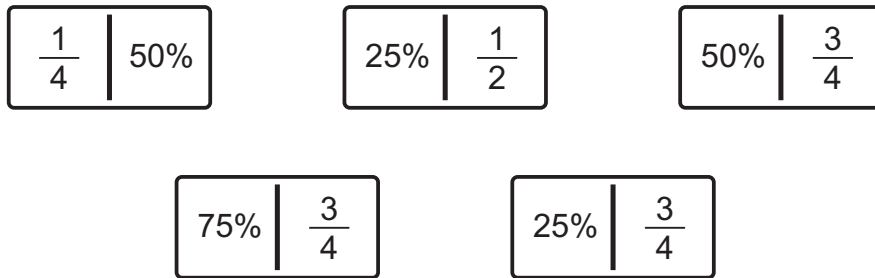
[1]

14 Four dominoes are placed in a row.

One domino is missing.

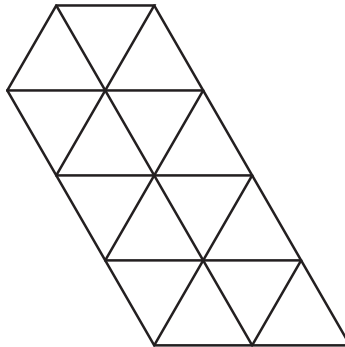


Draw a ring around the missing domino.



[1]

15 Here is a shape made from identical triangles.



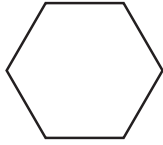
Shade  $\frac{1}{5}$  of this shape.

[1]



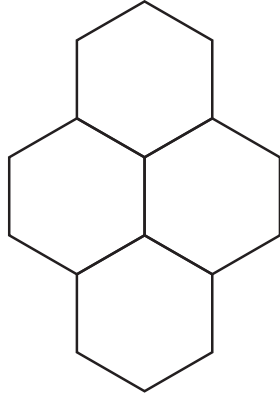
16 Here is a regular hexagon.

The length of each side is **4cm**.



Not drawn to scale


Lily makes a new shape using **four** of the same hexagons.




Not drawn to scale

What is the **perimeter** of the new shape?

..... cm [1]

17  represents the price of a football in dollars.

 represents the price of a chocolate bar in dollars.

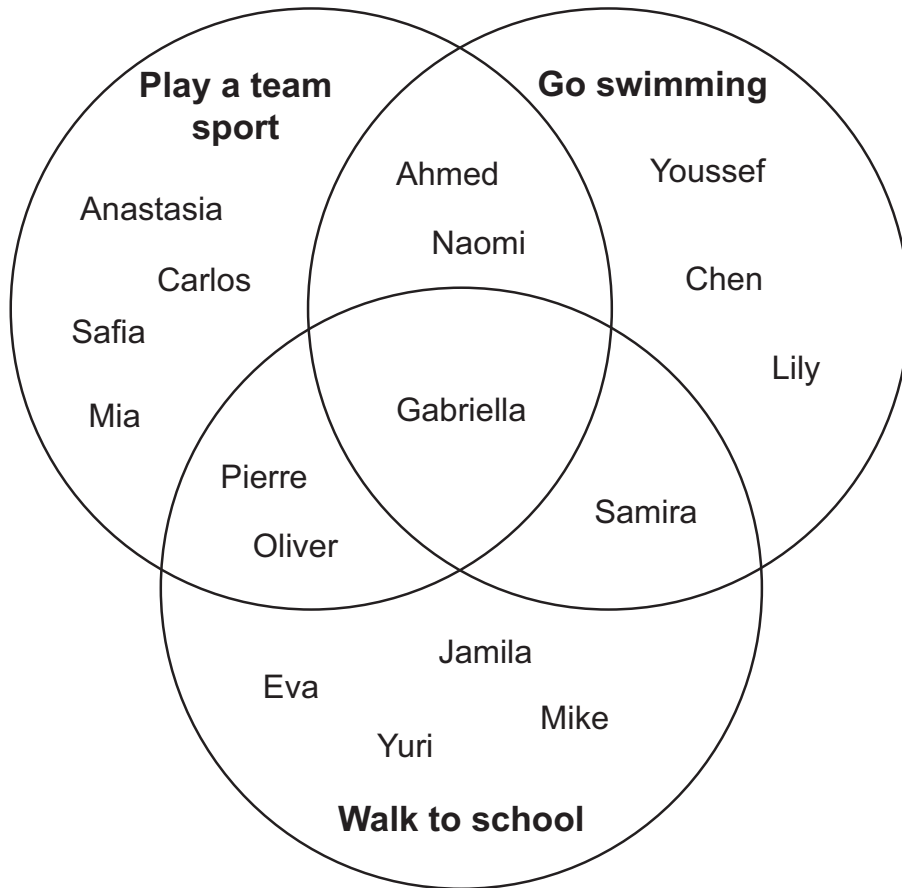
$$\text{rectangle} + \text{rectangle} + \text{rectangle} = \$12$$

$$\text{circle} + \text{rectangle} = \$20$$

What is the price of the football?

\$ ..... [2]

18 Here is a Venn diagram.



Use the information in this Venn diagram to answer these questions.

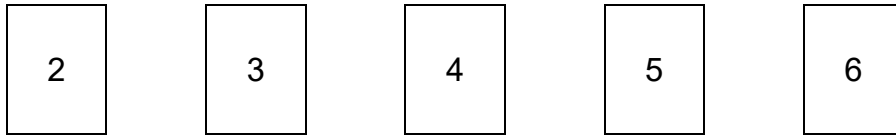
(a) How many children play a team sport **and** go swimming?

..... children [1]

(b) Write the name of a child who does **not** play a team sport and does **not** go swimming.

..... [1]

19 Here are five number cards.



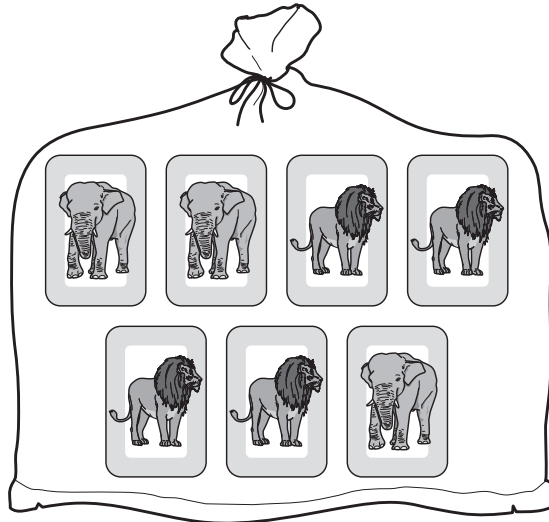
Use each card **once** to make the calculations correct.

$$\boxed{\phantom{00}} \boxed{1} \div \boxed{\phantom{00}} = \boxed{7}$$

$$\boxed{\phantom{00}} \boxed{\phantom{00}} \div \boxed{\phantom{00}} = \boxed{9}$$

[2]

20 Mia has elephant and lion cards in a bag.



She adds **three** more cards to the bag.

She now has an even chance of picking an elephant.

Which **three** cards does she add?

..... [1]

21 Here is a pattern made with sticks.

Diagram 1



3

Diagram 2



5

Diagram 3



7

Number of sticks

Lily says,



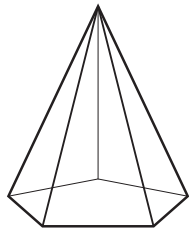
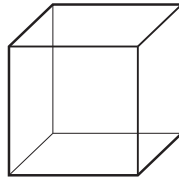
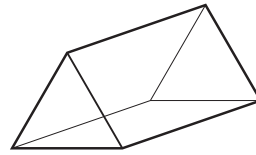
There are 20 sticks in diagram 10

Lily is wrong.

Explain how you know.

.....  
 ....., [1]

22 Here are **three** diagrams of solid shapes.

**A****B****C**

Choose the correct word from this list to complete each sentence.

edges      faces      prisms      pyramids      vertices

**A** and **B** both have the same number of .....

**A** and **C** both have the same number of .....

**B** and **C** are both .....

[2]

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*Copyright Acknowledgements:*

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