



Cambridge Primary Sample Test

For use with curriculum published in September 2020

Mathematics Paper 2

Stage 3

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 601 in words.

..... [1]

2 Write these units of time in the correct place in the table.

One has been done for you.

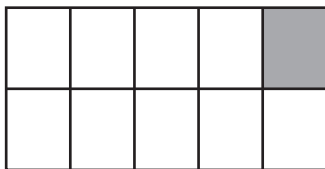
hour month year minute week

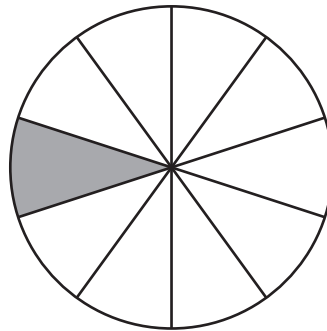
Shorter than a day	Longer than a day
	year

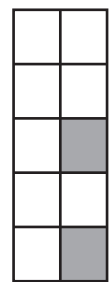
[1]

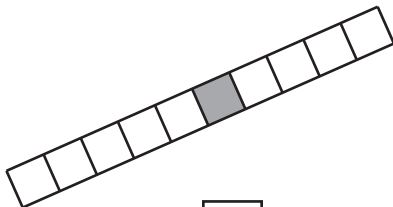
3 Here are four shapes.

Each shape is divided into equal parts.







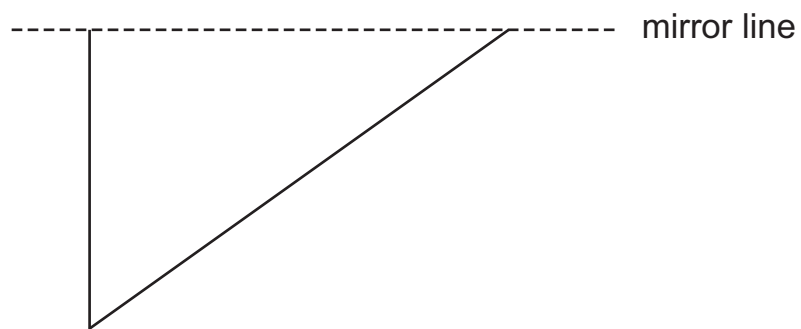


Tick (✓) **all** the shapes that have $\frac{1}{10}$ shaded.

[1]

4 Draw the reflection of the shape in the mirror line.

Use a ruler.



[1]

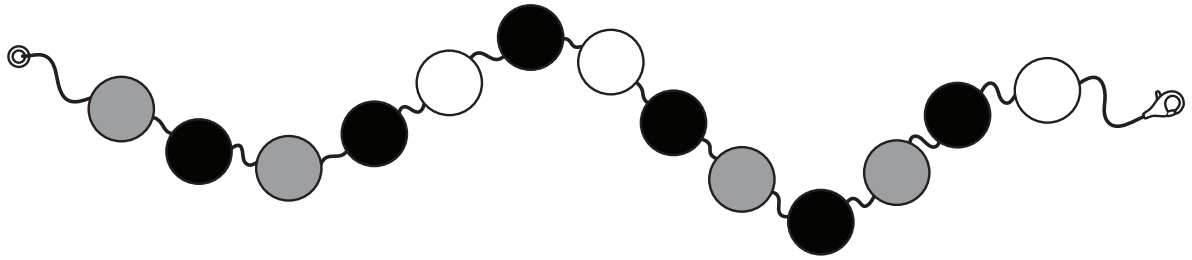
5 Draw a ring around **each** multiple of 5

16 25 30 47 55

[1]

6 Here is a picture of a necklace.

It is made from grey, black and white beads.



Here are **three** words.

grey

black

white

Choose a word to complete each sentence.

Every second bead is

A white bead always follows a bead.

[1]

7 Tick (✓) **three** cards with a total of 532

2 hundreds

2 tens

2 ones

3 hundreds

3 tens

3 ones

5 hundreds

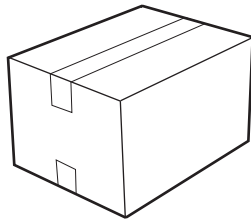
5 tens

5 ones

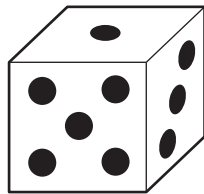
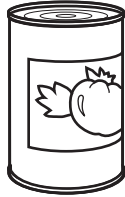
[1]

8 Draw a line to join each picture to the correct shape name.

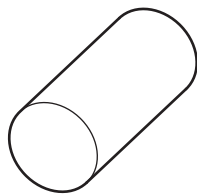
One has been done for you.



cuboid



cylinder



[1]

9 Put these fractions in order starting with the **largest**.

$$\frac{1}{4}$$

$$\frac{1}{5}$$

$$\frac{1}{2}$$

$$\frac{1}{10}$$

.....
largest

.....

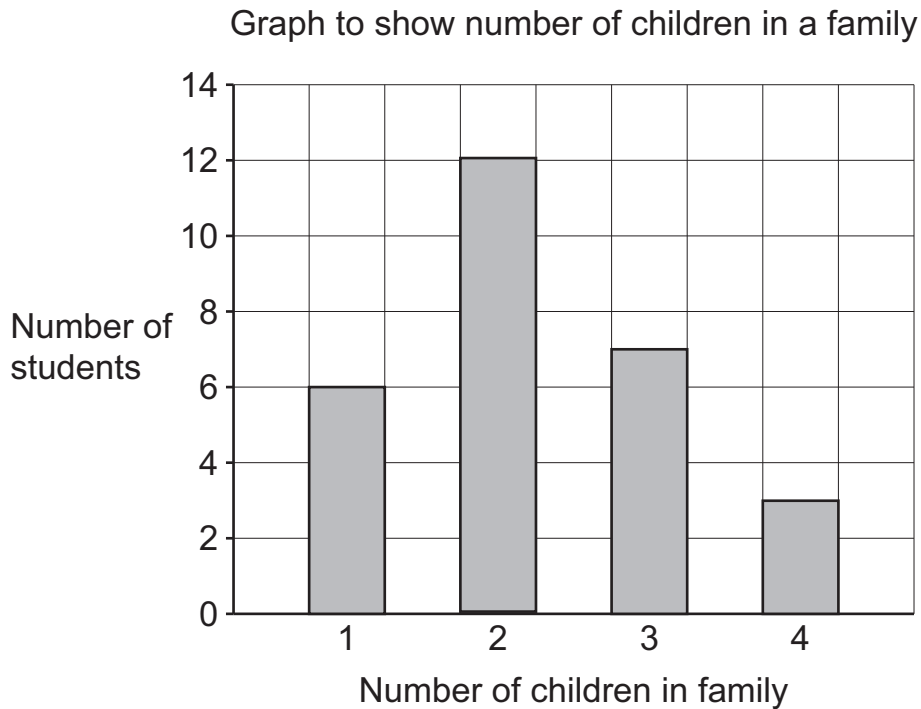
.....

.....
smallest

[1]

10 Students in a class collect data about the number of children in their families.

They draw a bar chart of the results.



(a) How many students have 3 children in their family?

..... students [1]

(b) How many **more** students have 2 children than 4 children in their family?

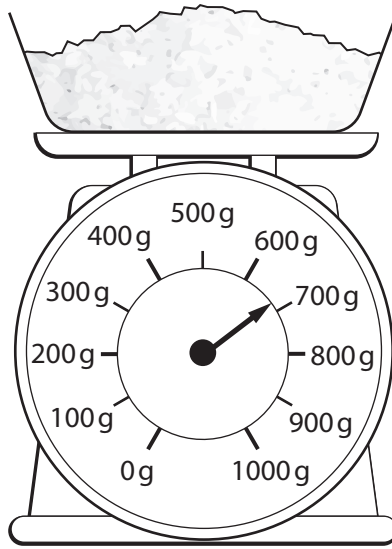
..... students [1]

11 A farmer has 225 sheep and 139 goats.

How many animals does the farmer have altogether?

..... animals [1]

12 Here is some rice on a measuring scale.



Write down the mass of the rice to the **nearest** 100 g.

..... g [1]

13 Mike counts on in fives from 22

Here is the beginning of his sequence.

22 27 32 37 42

Which numbers between 70 and 80 will be in Mike's sequence?

..... [1]

14 Draw a line to join each time to the correct clock.

One has been done for you.



three twenty-two

quarter past five

seven fifty-six

twenty-five to ten

5:15

9:35

[1]

15 Write the correct number in the box.

$$\frac{1}{5} = \frac{4}{\square}$$

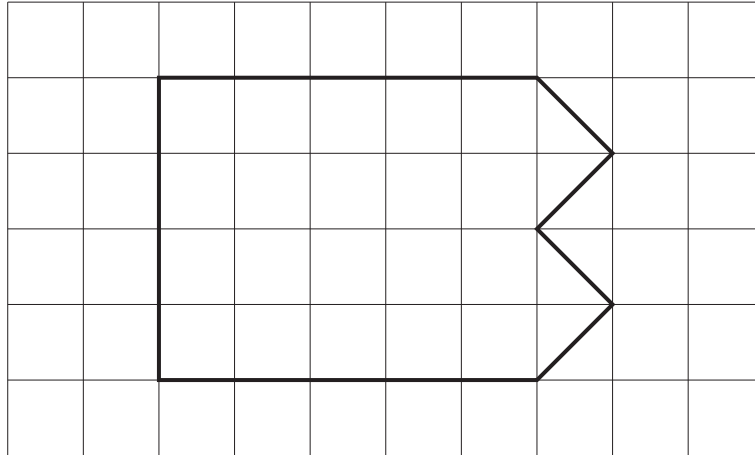
[1]

16 Calculate.

$$28 \times 3$$

..... [1]

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



Write down the area of the shape.

..... square units [1]

18 Here is a list of numbers.

25

37

28

31

24

35

Mia rounds the numbers to the nearest 10

Draw a ring around **each** number that rounds to 30

[1]

19 Anastasia uses these cards to write a multiplication fact.

$$\boxed{9} \times \boxed{5} = \boxed{45}$$

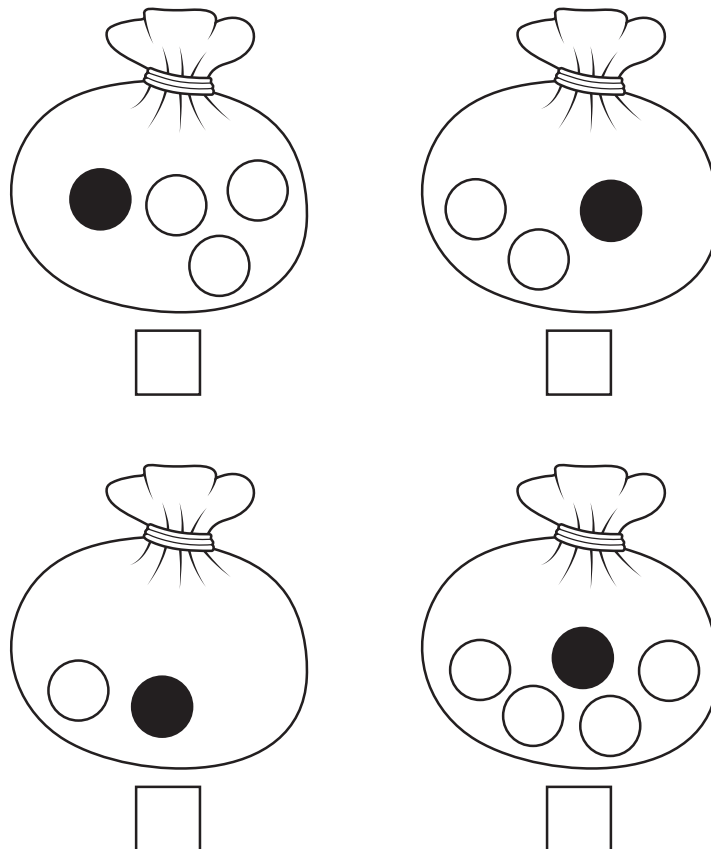
Use the same cards to write 2 **different** division facts.

$$\boxed{} \div \boxed{} = \boxed{}$$

$$\boxed{} \div \boxed{} = \boxed{}$$

[1]

20 Chen has four bags of black and white beads.



Chen picks a bead at random from each bag.

Which bag is he **most likely** to pick a black bead from?

Tick (✓) the correct bag.

[1]

21 Calculate.

$$\frac{1}{4} \text{ of } 20$$

..... [1]

22 Safia says,



2 + 2 + 2 + 2 + 2 is the same as 2 × 5

Draw an array to show that Safia is correct.

[1]

23 Lily eats an apple.

Estimate how long it takes her to eat the apple.

Draw a ring around the best estimate.

3 seconds

30 seconds

3 minutes

30 minutes

[1]

24 Here are some statements about addition and subtraction.

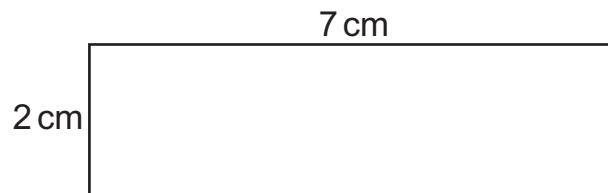
Statement	True	False
$12 + 15 = 15 + 12$	✓	
$29 - 7 = 7 - 29$		
$3 + 6 + 11 = 6 + 11 + 3$		

Tick (✓) to show if the statements are true or false.

One has been done for you.

[1]

25 Here is a rectangle.



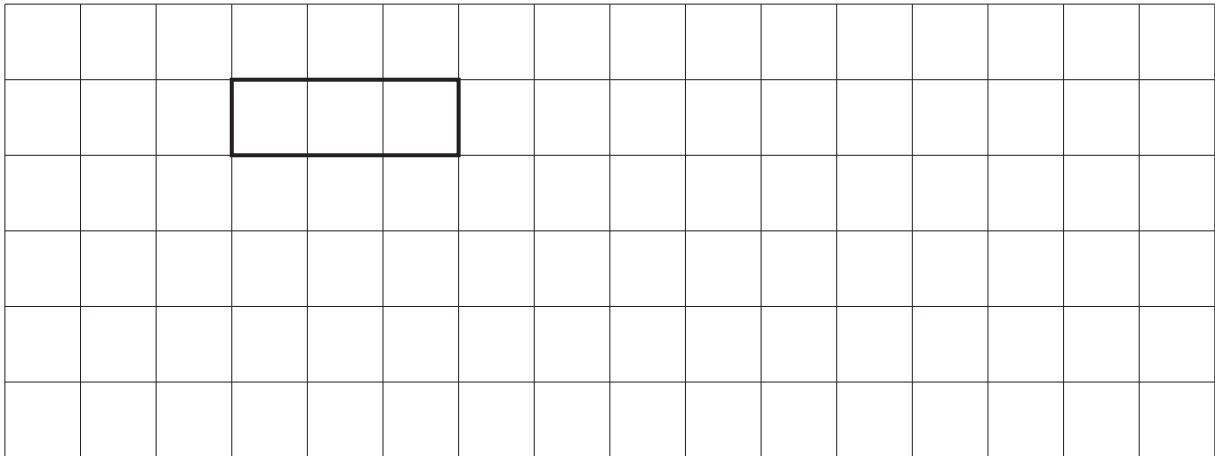
Yuri says, 'I add 7 cm and 2 cm and that gives me the perimeter.'

Yuri is **not** correct.

Explain why.

.....
 [1]

26 Here is part of a shape drawn on a grid of squares.

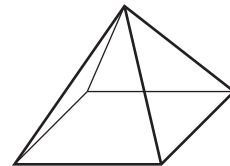
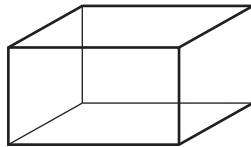
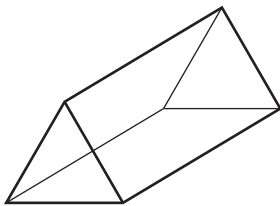


It is $\frac{1}{3}$ of the whole shape.

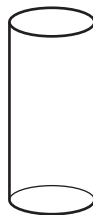
Use the grid to draw the whole shape.

[1]

27 Here are three pictures of 3D shapes.



Here is another picture of a 3D shape.



Complete the sentence.

This 3D shape is mathematically different from the other 3D shapes because

..... [1]

28 Carlos has 5 dollars.

He buys a watermelon and a pineapple.



He gets 1 dollar and 10 cents change.

How much does the pineapple cost?

Show your working.

..... [2]