



Cambridge Primary Sample Test

For use with curriculum published in September 2020

Mathematics Paper 1

Stage 3

40 minutes

Name

Additional materials: Set square
Tracing paper (optional)

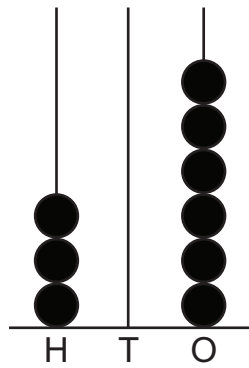
INSTRUCTIONS

- 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 Here is a counting frame.



Write the number that is shown on the counting frame.

..... [1]

2 Draw a straight line that measures exactly 7 cm.

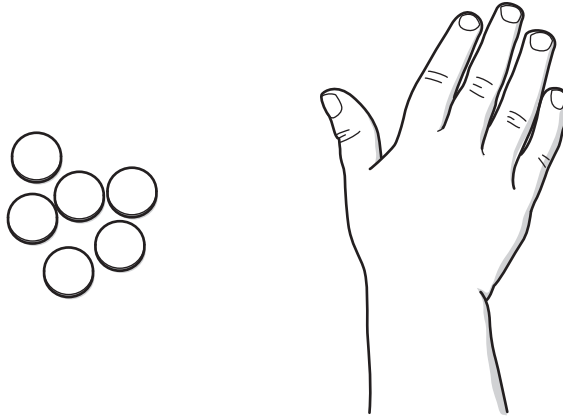
Use a ruler.

[1]

3 Write the next **two** numbers in this sequence.

345 335 325 315 [1]

- 4 Angelique hides half of her counters under her hand.



How many counters does Angelique have **altogether**?

.....counters [1]

- 5 Draw a line to show if each number is odd or even.

One has been done for you.

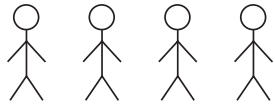
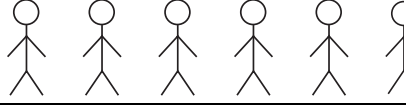
94	—	even number
63		
28		
17		odd number


[1]

6 Here is a tally chart to show the favourite fruit of Class 3

Fruit	Number of students
apple	
banana	
orange	

Complete the pictogram using the information in the tally chart.

Pictogram to show the favourite fruit of Class 3	
apple	
banana	
orange	

 = 2 students

[1]

7 Write numbers in the boxes to make these statements correct.

$$3 \times 9 = 27$$

$$4 \times \boxed{} = 24$$

$$3 \times 7 = \boxed{}$$

$$\boxed{} \times 8 = 40$$

[1]

8 Here are some coins used in the USA.



1 cent



5 cents



10 cents



25 cents



50 cents

Write **four** coins that total 70 cents.

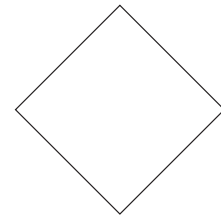
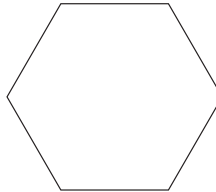
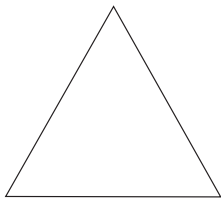
..... [1]

9 Complete the mathematical statement.

2 litres = millilitres

[1]

10 Draw a ring around **each** polygon that has only **four** vertices.



[1]

11 Write the correct number in the box.

$$15 \times 4 = 10 \times 4 + \boxed{} \times 4$$

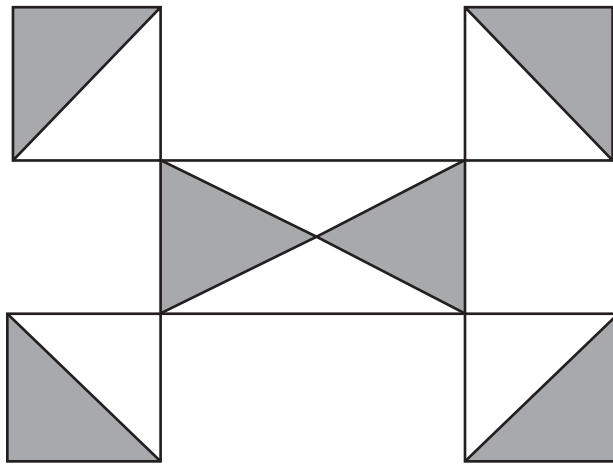
[1]

12 A museum is open from 1 April to 31 October each year.

Write down the number of months the museum is open each year.

..... months [1]


13 Draw **all** the lines of symmetry on this pattern.



[1]

14  represents a whole number.

$$23 + \triangle = 58$$

Write the value of 

..... [1]

- 15** Mia wants to draw a bar chart to show how children travel to school. She asks the children in her class how they travel to school.

Here are her results.

walk, cycle, walk, bus, walk, cycle, car,
 bus, walk, walk, walk, car, bus, walk,
 cycle, bus, walk, walk, car, walk, bus,
 cycle, walk, car, walk, walk, bus

How could Mia improve the way she records the results?

..... [1]

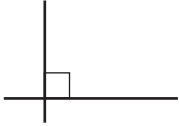

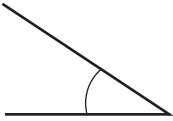
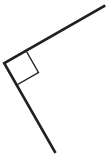
- 16** Calculate.

$$\frac{3}{10} + \frac{5}{10}$$

..... [1]

17 Put a tick (✓) in the correct column to show the size of each angle.

One has been done for you.

Angle	Less than a right angle	Equal to a right angle	Greater than a right angle
		✓	
			
			
			

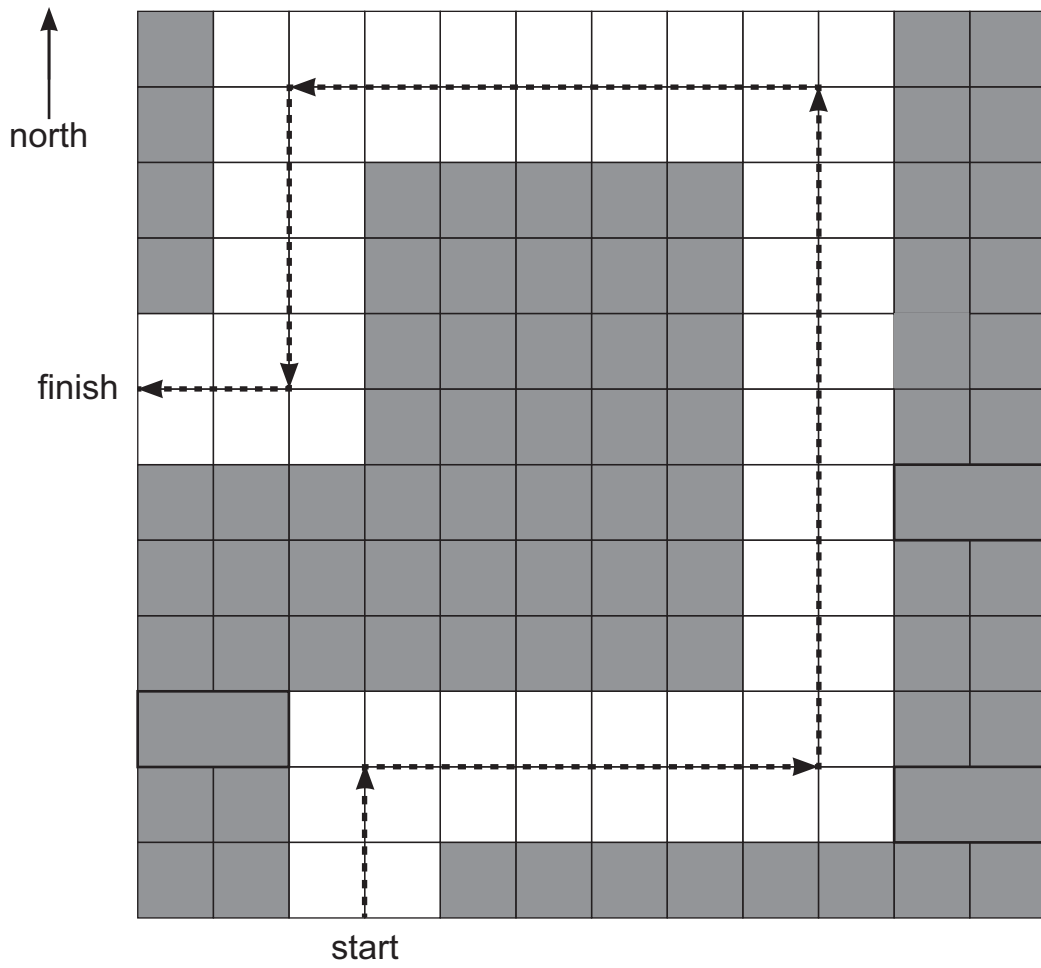
[1]

18 Calculate.

$$362 - 159$$

..... [1]

19 Here is a path that a robot follows.



Complete the instructions for the robot.

north 2

east 6

.....

[2]

20 Draw a line to join each statement to how likely it is to happen.

You will fall over tomorrow.	will happen
You will climb to the top of Mount Everest tomorrow.	might happen
You will be a day older tomorrow.	will not happen

[1]

21 A baker puts 64 cookies into bags.





He puts 4 cookies in each bag.

How many bags does he need?

.....bags [1]

22 Tick (✓) the boxes to show the objects that are longer than your hand.

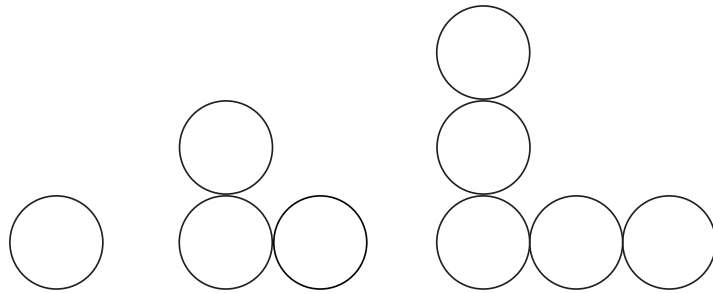
Not drawn to scale

			
a 30 cm ruler	a ring	a strawberry	an adult's shoe
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

[1]

23 Pierre draws a pattern using circles.

Here are the first three diagrams in his pattern.



(a) Draw the next diagram in the pattern.

[1]

(b) How many circles will there be in the 8th diagram in Pierre's pattern?

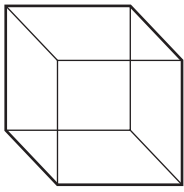
..... circles [1]

24 Draw an arrow (↓) to estimate 340 on the number line.

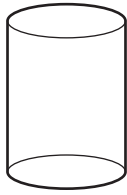


[1]

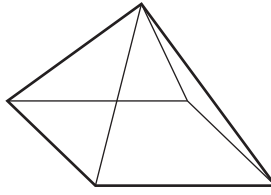
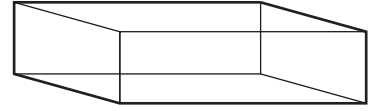
25 These pictures show four 3D shapes.



cube

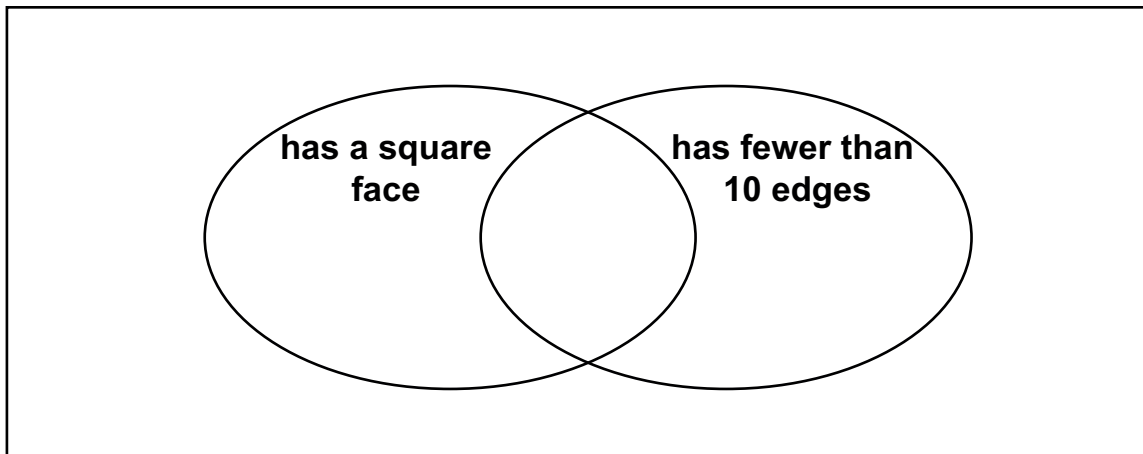


cylinder

square-based
pyramid

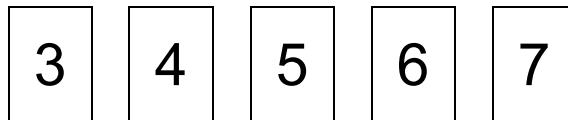
cuboid

Write the names of these shapes in the correct place in the Venn diagram.



[2]

26 Here are five digit cards.

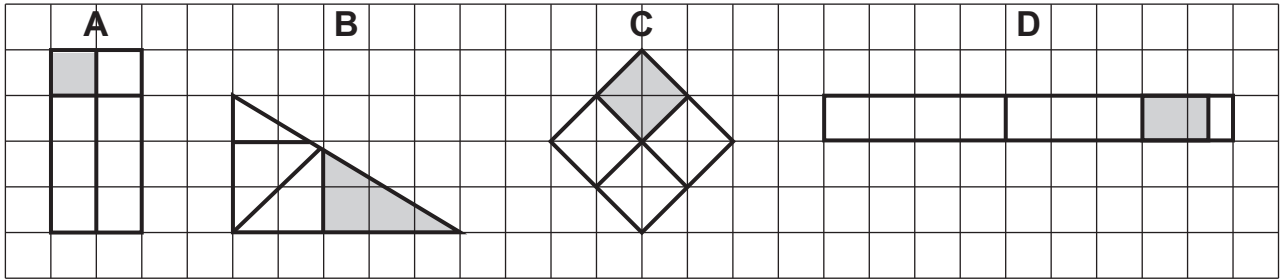


Use **four** of the cards to complete the calculation.

$$\begin{array}{|c|c|} \hline & \\ \hline \end{array} + \begin{array}{|c|c|} \hline & \\ \hline \end{array} = 100$$

[1]

27 Here are four diagrams.



Which diagram shows one quarter?

Explain why.

..... [1]

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