Cambridge Assessment International Education

Cambridge Primary Sample Test

For use with curriculum published in September 2020

Mathematics Paper 1

Stage 6

45 minutes

Name .....

Additional materials: Compasses
Protractor
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 40.
- The number of marks for each question or part question is shown in brackets [ ].

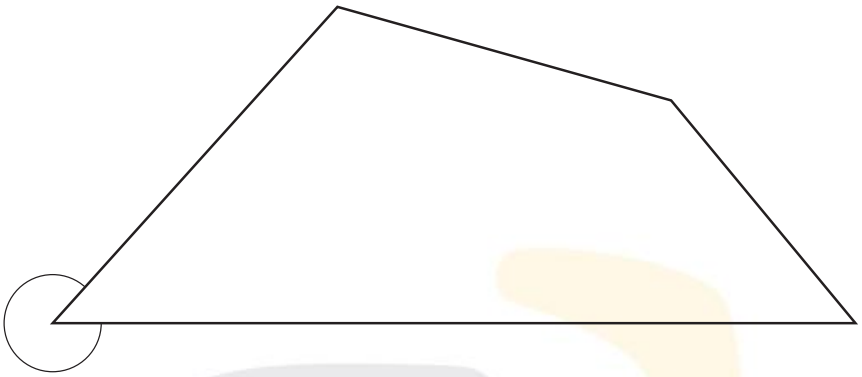
1 Draw a ring around the place value of the digit 6 in the number 18.436

thousands thousandths tens tenths

units hundreds hundredths

[1]

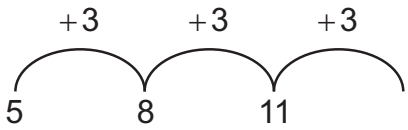
2 Here is a quadrilateral.



Measure the marked angle.

..... ° [1]

3 Here is part of a number sequence.



This sequence continues in the same way.

Draw a ring around **all** the numbers that will be in the sequence.

20 21 25 41 235 242

[2]

4 Calculate the number of minutes in 1.4 hours.

..... minutes [1]

5 Here are three symbols.

>	<	=

Write the correct symbol in each box.

47 ÷ 6 ☐ 47 ÷ 7

352 ÷ 8 ☐ 40

[1]

6 **(a)** Write a common factor of 6 and 10

..... [1]

(b) Write a common multiple of 6 and 10

..... [1]

7 Oliver asks 20 children how they travel to school.

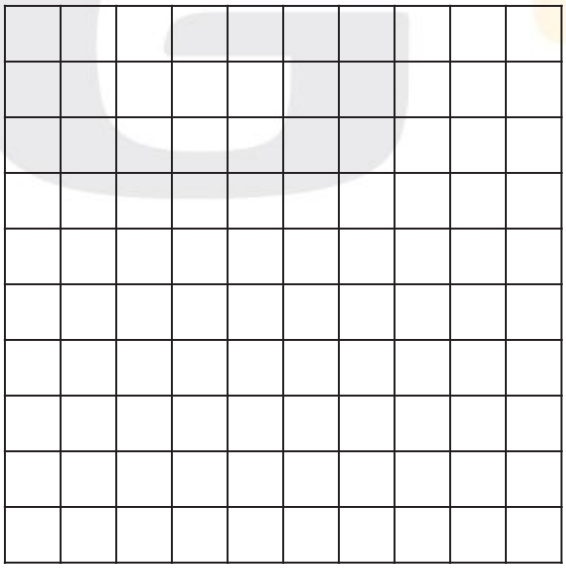
Here are the results.

How children travel	Number of children
Walk	6
Bus	9
Car	3
Bicycle	2

(a) Calculate the percentage of the children who travel to school by bicycle.

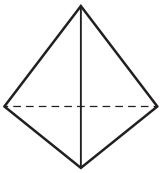
.....% [1]

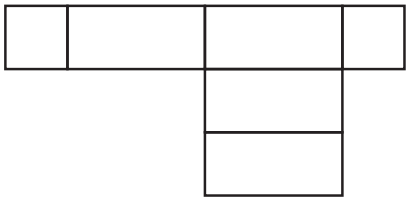
(b) Shade the waffle diagram to show the result for children who **walk** to school.

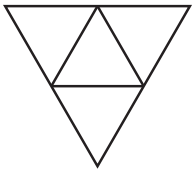


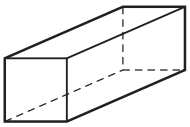
[1]

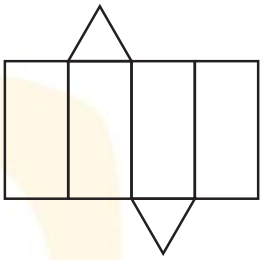
8 Draw a line to match each 3D shape to the correct net.

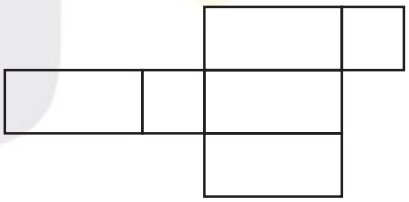


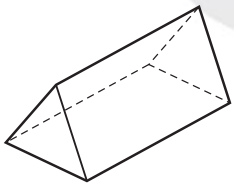


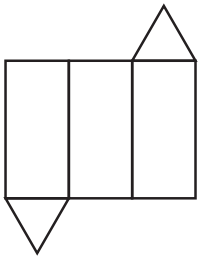


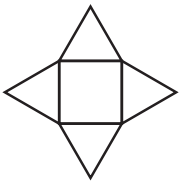












[2]

9 Here are the names of **three** types of triangles.

isosceles scalene equilateral

Write the names in the correct places on the table.

Each name can be used more than once.

Could have a right angle	Could have an acute angle	Could tessellate

[2]

10 Calculate.

(a) 16.239 + 101.51

..... [1]

(b) 14.1 – 3.27

..... [1]

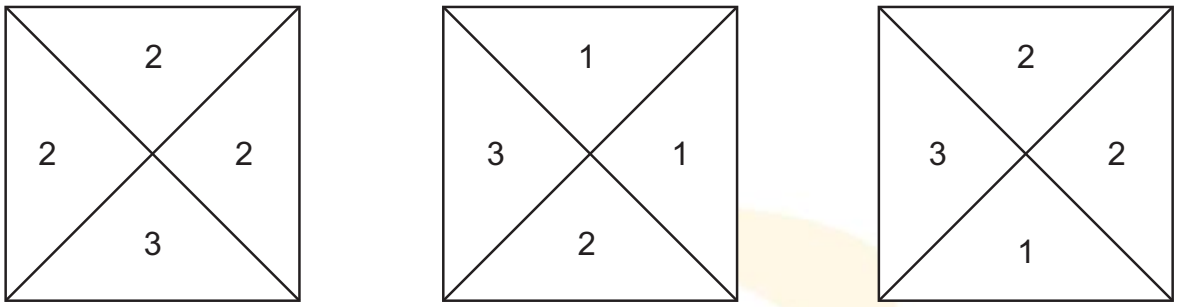
11 The temperature in Moscow is –8 °C.

The temperature falls by 5 degrees.

Write down the new temperature.

..... °C [1]

12 Here are three spinners.



(a) Complete each sentence using **A**, **B** or **C**.

There is a 1 out of 4 chance of spinning 2 on spinner ☐

There is a 3 out of 4 chance of spinning an even number on spinner ☐

[1]

(b) Match each statement to **all** the correct letters.

	Spinner
The chance of spinning a 2 is greater than 25%	**A**
	B
The chance of spinning an odd number is greater than 50%	**C**

[2]

13 Rajiv does this calculation.

$5 + 2 \times 7 =$

He gets the answer 49

Explain why Rajiv is **not** correct.

.....

..... [1]

14 Write the correct name of each shape in the table.

Choose from the list.

Kite Pentagon Rhombus Square Trapezium

Name of shape	Number of lines of symmetry	Number of pairs of parallel sides	Number of diagonals
	2	2	2
	0	1	2
	1	0	2

[2]

15 Calculate.

$2\frac{1}{2}$ of 8

..... [1]

16 Safia says,

Tick (✓) to show if Safia is correct.

Yes ☐ No ☐

Explain how you know.

.....

..... [1]

17 Write these numbers in order of size starting with the **smallest**.

4.06 3.37 4.6 3.7 4.37

....

smallest largest

[2]

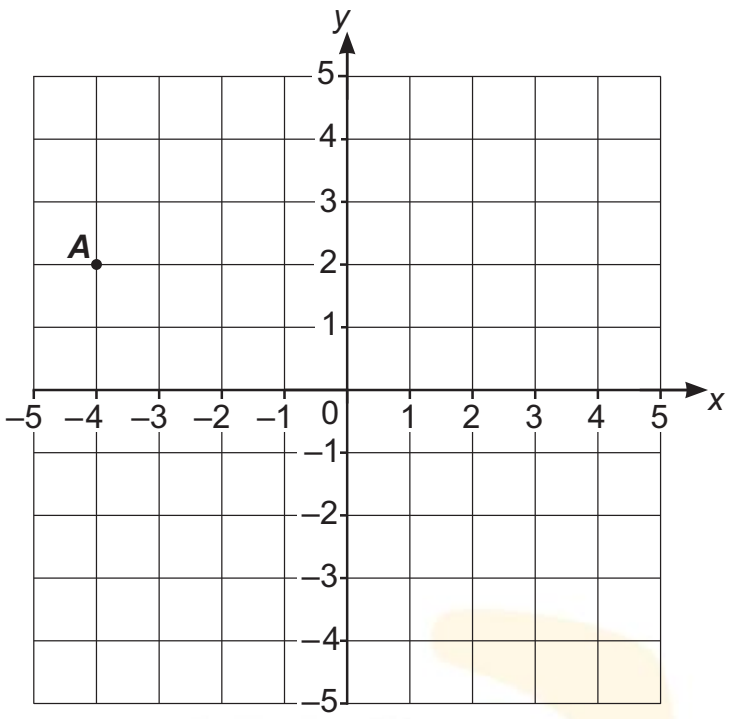
18 Calculate.

$\frac{1}{3} + \frac{2}{5}$

Give your answer as a fraction.

..... [2]

19 Here is a coordinate grid.



(a) Write down the coordinates of ***A***.

(..... , ...) [1]

(b) Plot point ***B*** with coordinates $(3, -2\frac{1}{2})$. [1]

20 A length of rope is 120.36 metres long.

The rope is cut into 4 equal pieces.

Calculate the length of each piece of rope.

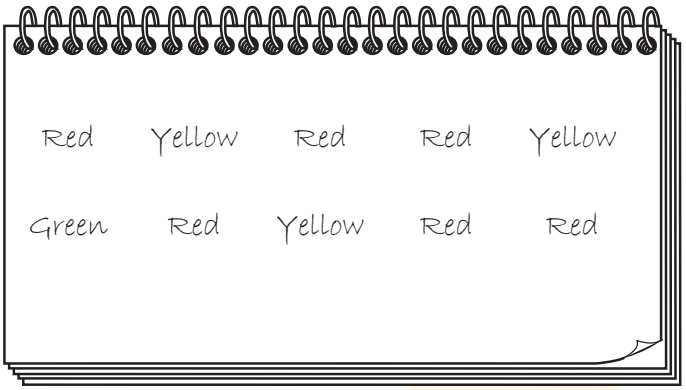
..... metres [1]

21 A bag contains 10 beads.

Aiko picks a bead and writes down the colour.
She replaces the bead in the bag.

She does this 10 times.

Here are the results.



Tick (✓) **all** the statements that **must** be correct.

Most of the beads in the bag are red. ☐

There are 3 yellow beads in the bag. ☐

There are at least 3 different colour beads in the bag. ☐

There could be 10 different colour beads in the bag. ☐

There are only 3 different colour beads in the bag. ☐

[2]

22 Youssef writes two different numbers with 1 decimal place.

He only uses odd-numbered digits.

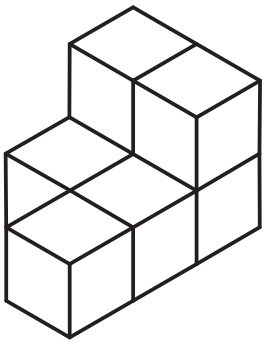
His numbers round to 79 when rounded to the nearest whole number.

Find the two numbers Youssef writes.

☐☐ • ☐ and ☐☐ • ☐

[1]

23 Here is a shape made with 7 small cubes.



Hassan adds more small cubes to this shape to make a large cube.

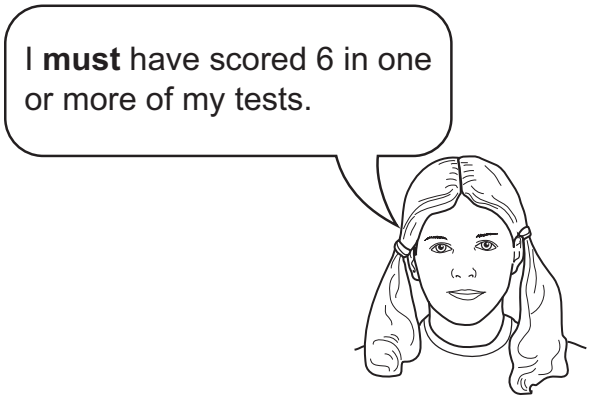
Work out the fewest number of small cubes he uses.

..... [1]

24 Angelique does four spelling tests.

Her median score is 6

Angelique says,

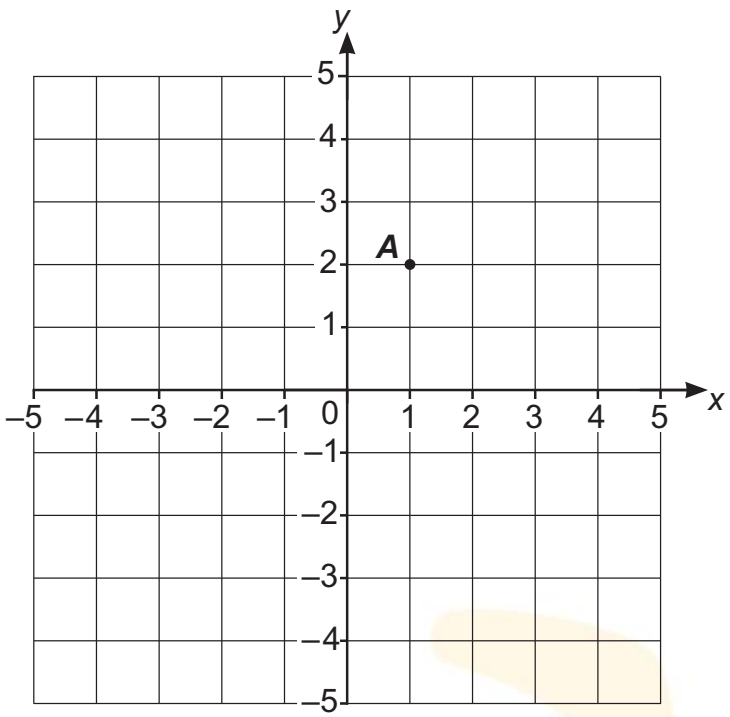


Give an example of four scores that show Angelique is wrong.

....

[1]

25 Here is a coordinate grid.



The coordinates of ***B*** are (3, 5).

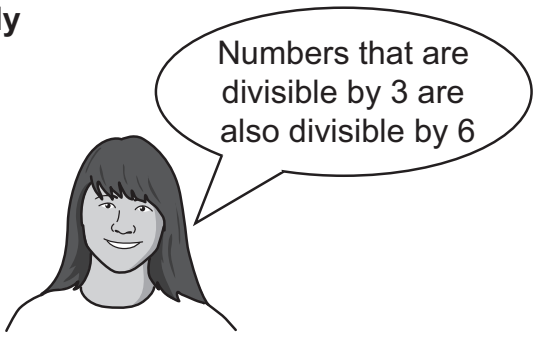
A, ***B*** and ***C*** are points on the same straight line.

Complete the coordinates of ***C***.

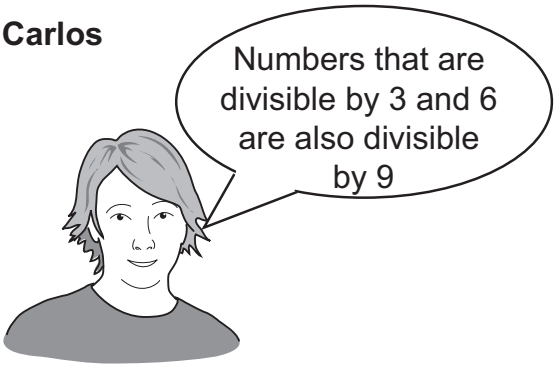
The coordinates of ***C*** are (–3, ...) [1]

26 These children make some statements about numbers.

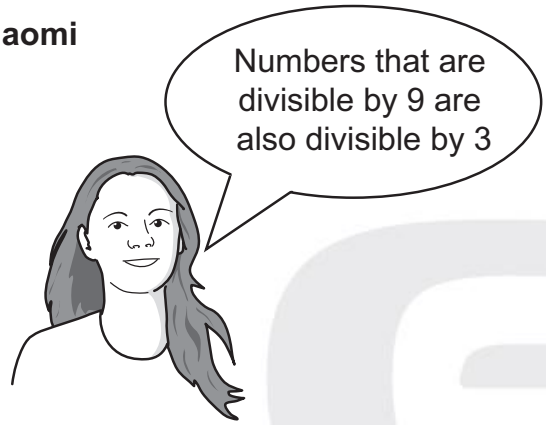
Lily



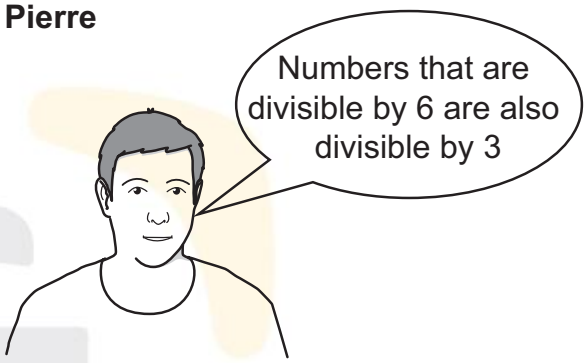
Carlos



Naomi



Pierre



Write the names of the children who are correct.

.....[2]