Cambridge Assessment International Education

Cambridge Primary Checkpoint

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

9106212163

MATHEMATICS **0096/01**

Paper 1 **April 2025**

45 minutes

You must answer on the question paper.

You will need: Compasses
Protractor
Tracing paper (optional)

INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- You should show all your working in the booklet.
- 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 [ ].

This document has **16** pages.

[Turn over

1 Calculate.

$$1 + 0.02 + 0.003$$

..... [1]

2 Write the fraction in its simplest form.

$$\frac{7}{21} = \frac{\square}{\square}$$

[1]

3 Calculate.

$$101.91 + 10.205$$

..... [1]

4 A baker uses 1355 kg of flour every day.

Calculate how much flour the baker uses in 7 days.

..... kg [1]

5 Here is part of a sequence.

The sequence continues in the same way.

34 27 20 …

Write the number in the sequence that is between –10 and –20

..... [1]

6 Carlos plans two investigations.

He collects data from all the children at his school.

Draw lines to match each investigation to **all** the data he needs for that investigation.

Investigation	**Data for that investigation**
	favourite fruit
How many five-year-old children choose strawberry as their favourite ice cream flavour?	height in cm
	favourite ice cream flavour
Is there a link between favourite fruit and favourite ice cream flavour?	favourite dessert
	date of birth

[1]

7 Oliver buys **two** different types of fruit.

He buys 10 of each type of fruit.

He spends exactly $20

Tick (✓) the **two** types of fruit he buys.


$0.20 ☐


$0.35 ☐


$0.45 ☐


$0.90 ☐


$0.95 ☐


$1.10 ☐


$2.00 ☐


$2.45 ☐

[1]

8 A factory makes 9512 tiles.

Ahmed says, 'I can divide the tiles equally between 4 boxes.'

Tick (✓) to show if Ahmed is correct.

Yes ☐ No ☐

Explain how you know.

.....

.....

..... [1]

9 25 children each order a portion of pizza for lunch.

A portion is $\frac{1}{3}$ of a whole pizza.

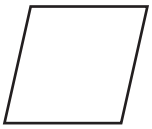
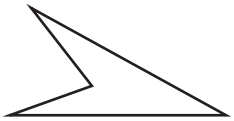
Calculate how many **whole** pizzas the chef needs to bake.

..... whole pizzas [1]

10 Here are some 2D shapes.

Each shape has four interior angles.

Draw lines to match each shape to **all** the types of interior angles in the shape.

Shape	Type of interior angle
	acute angle
	obtuse angle
	reflex angle
	right angle

[2]

11 Calculate.

78 × 100 = ...

0.78 × 1000 = ...

78 ÷ 1000 = ...

7.8 ÷ 10 = ...

[2]

12 Calculate.

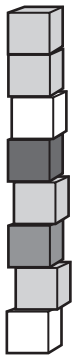
$$\frac{55}{6} - \frac{57}{8}$$

Write your answer as a fraction.

..... [1]

13 Lily has some identical wooden cubes.
The length of each edge of a cube is 4.5 cm.

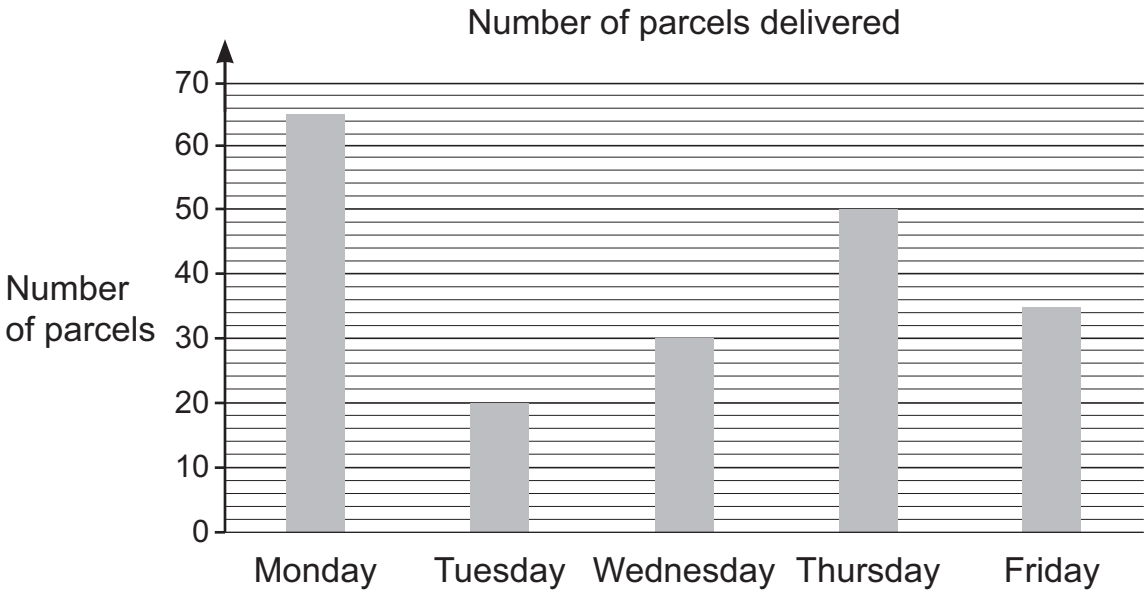
Lily builds a tower 8 cubes tall.



Calculate the height of the tower.

..... cm [1]

14 A post office records the number of parcels they deliver each day for 5 days.
Here is a bar chart showing the information.

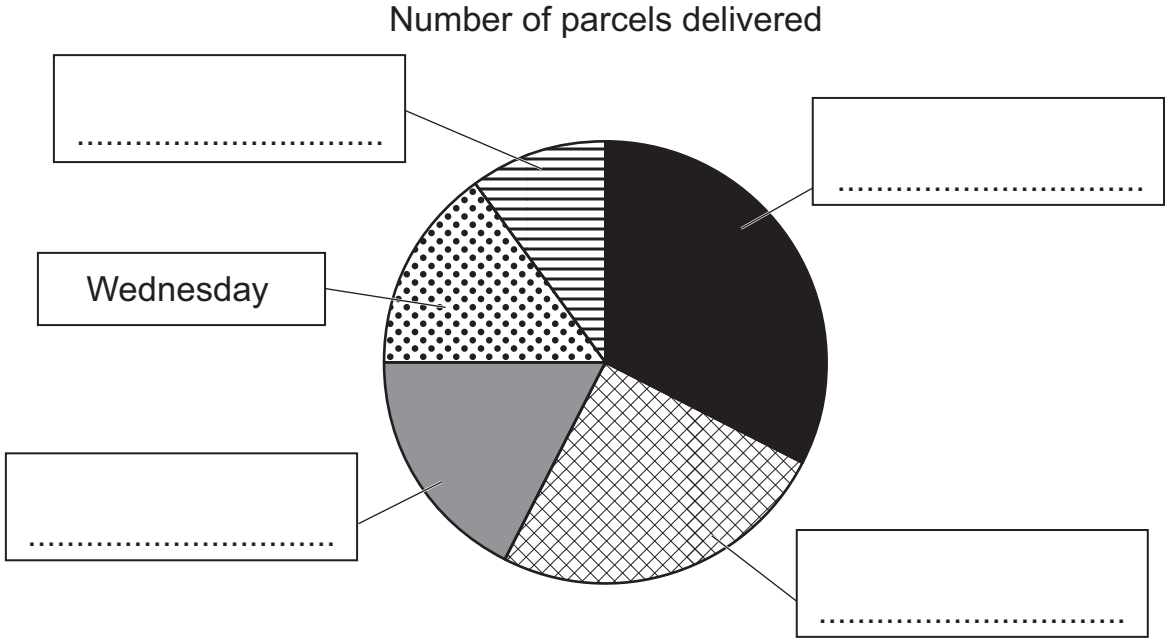


(a) Write the **total** number of parcels they deliver on Monday and Tuesday.

..... [1]

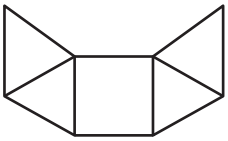
(b) Here is a pie chart showing the same information.

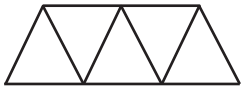
Complete the labels on the pie chart.
One has been done for you.



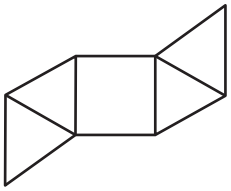
[1]

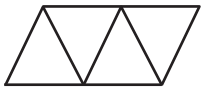
15 Draw a line to match **each** drawing with the correct option.



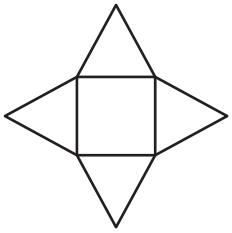


net of a pyramid



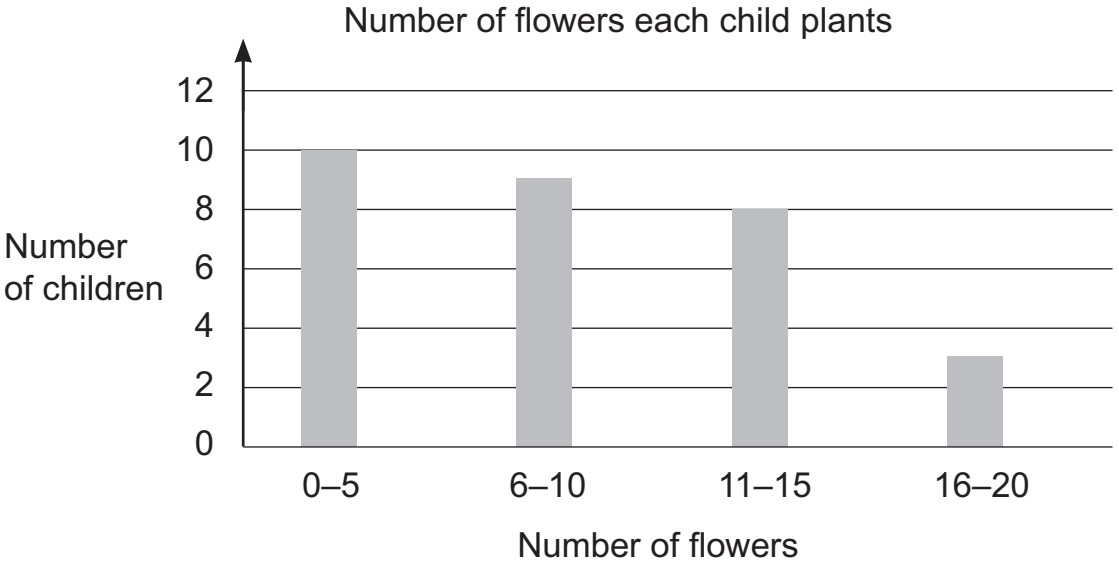


not a net of a pyramid



[2]

16 Thirty children have some flowers to plant.
Safia records how many flowers each child plants.
Here is a bar chart showing Safia's data.



(a) Complete the pictogram.

Number of flowers each child plants	Number of children
0–5	☺☺☺☺☺
6–10	☺☺☺☺☹
11–15	☺☺☺☺
16–20	

Key: ☺ represents 2 children

[1]

(b) Safia says, 'The bar chart shows that every child planted some flowers.'

Explain why Safia may **not** be correct.

.....

.....

..... [1]

17 A baker makes cakes.
He needs 12 eggs for each cake.
He uses 552 eggs.

Calculate the number of cakes he makes.

..... cakes [1]

18 A train takes 3 hours to travel 210 kilometres.

Calculate how many hours it takes the train to travel 350 kilometres.

..... hours [1]

19 Write **all** the 4-digit numbers between 3310 and 3325 that are divisible by 9

..... [1]

20 Here are some numbers.

65% 0.75 $\frac{3}{5}$ $1\frac{1}{5}$ $\frac{66}{100}$

Write the numbers in order of size, starting with the smallest.

....

smallest largest

[1]

21 Jamila has 84.42 ml of liquid.
She shares the liquid equally between 14 bottles.

Calculate the volume of liquid in each bottle.

..... ml [1]

22 The table shows the average monthly temperatures in Helsinki.

Month	Temperature (°C)
January	–4
February	–5
March	–1
April	4
May	10
June	15
July	18
August	17
September	12
October	6
November	2
December	–1

Calculate the temperature difference between February and September.

..... °C [1]

23 Here are four measurements.

0.045 m 4.3 cm 0.42 km 440 mm

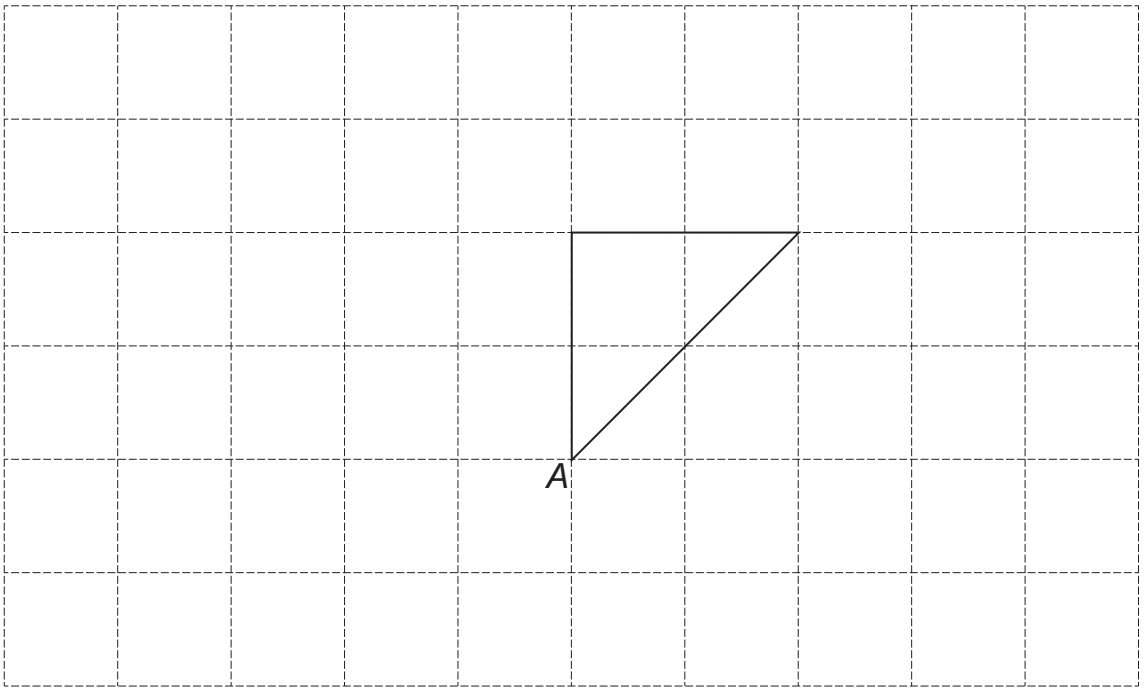
Write the measurements in order of size, starting with the smallest.

....

smallest largest

[1]

24 Here is a triangle on a grid of squares.



Rotate the triangle 90° **clockwise** around point *A*.
Draw the rotation on the grid. [1]

25 Draw lines to match the **total** of each addition to the correct box.

$\frac{1}{2} + \frac{1}{4}$

$\frac{2}{5} + \frac{4}{5}$

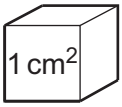
$\frac{1}{2} + \frac{5}{6}$

$\frac{19}{35} + \frac{14}{35}$

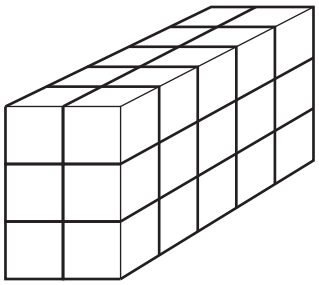
>1
<1

[2]

26 Here is a drawing of a cube.



The area of each face of the cube is 1 cm^2.
Hassan makes a cuboid from some of these cubes.
Here is a drawing of Hassan's cuboid.



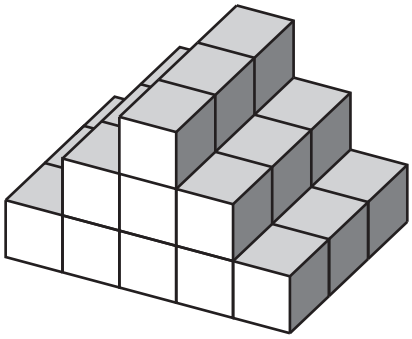
Not drawn to scale

(a) Calculate the surface area of the cuboid.
Show your working.

..... cm^2 [2]

(b) Hassan uses some of the cubes to make a prism.

Here is a drawing of his prism.



Calculate the number of cubes he uses.

..... cubes [1]

27 Here is a sequence.

$$-0.2 \qquad \frac{1}{20} \qquad 0.3 \qquad \ldots$$

The sequence has steps of a constant size.

Write the next term.

..... [1]

28 Samira makes two copies of a painting.
The length and width of the two copies are in direct proportion to the length and width of the original.

The first copy is half the length and width of the original.
The length and width of the second copy are 3 times larger than the length and width of the **first copy**.
The second copy is 120 cm in length and 90 cm in width.

Calculate the length and width of the **original** painting.

length of original = ... cm

width of original = ... cm

[2]

29 A school has some apples and pears.
The school has 105 apples and pears in total.
There are 3 pears to every 4 apples.

Calculate the number of pears.

..... pears [2]

30 Here is a sequence.

The sequence continues the same way.

Position	1	2	3	4	5
Term	4	8	12	16	20

Write the **position** of the first term in this sequence that is greater than 100 and is divisible by 6

..... [1]