Cambridge Assessment International Education

Cambridge Primary Checkpoint

CANDIDATE NAME									
CENTRE NUMBER						CANDIDATE NUMBER			

0721583401

MATHEMATICS **0096/02**

Paper 2 **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 may 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 **20** pages.

1 Write a number in the box to make this statement correct.

$$\frac{\square}{100} = 0.25$$

[1]

2 Here are the first four terms of a sequence.
The sequence continues in the same way.

1 4 9 16

Write the 8th term of this sequence.

..... [1]

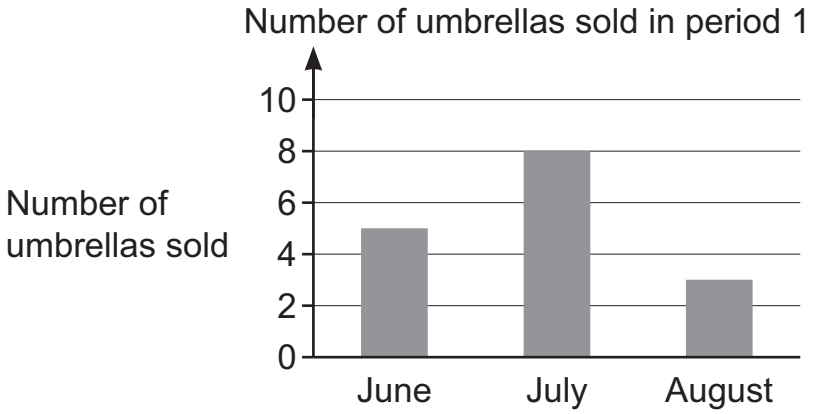
3 The mass of a chair is 30 kilograms.

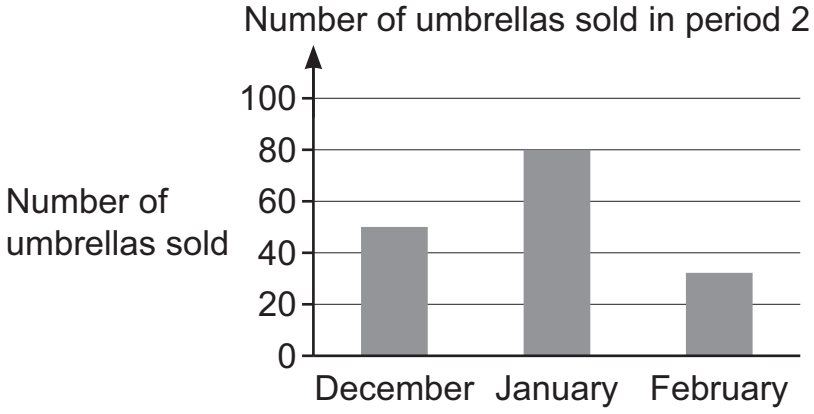
The mass of a bookcase is $\frac{5}{3}$ of the mass of the chair.

Calculate the mass of the bookcase.

..... kilograms [1]

4 A shopkeeper records the number of umbrellas she sells each month.
The bar charts show the data for two different time periods of three months.





The shopkeeper says, 'I sell the same number of umbrellas in period 1 as I sell in period 2.'
The shopkeeper is **not** correct.

Explain how you know **without** calculating the number sold.

.....

.....

..... [1]

5 Here are some numbers.

11.50 11.55 10.05 10.95 11.05

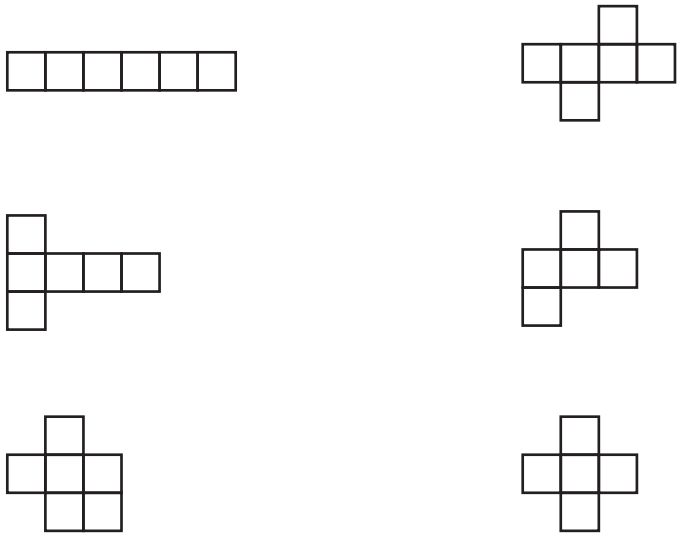
Write these numbers in order of size, starting with the smallest.

....

smallest largest

[1]

6 Draw a ring around **each** of the diagrams that are a net of a closed cube.



[1]

7 A bag contains 5 green sweets, 3 yellow sweets and 2 pink sweets.
Chen picks a sweet from the bag.

Complete the sentence.

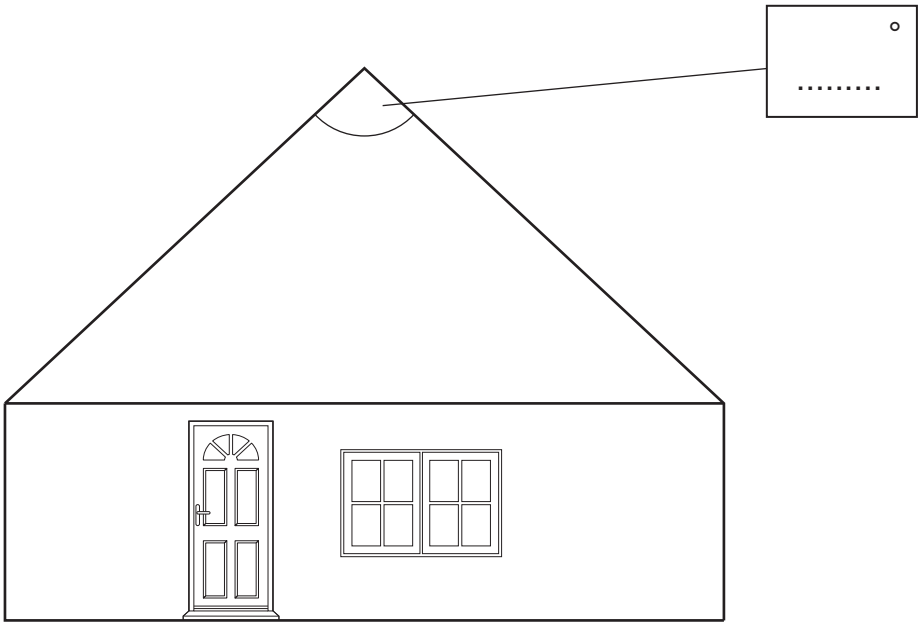
The chance that Chen picks a yellow sweet is ..... out of ..... . [1]

8 Insert **one** pair of brackets to make the calculation correct.

$$25 + 5 \times 2 = 60$$

[1]

9 **(a)** Here is a drawing of a house.



Measure the angle at the top of the house.
Write your answer in the box. [1]

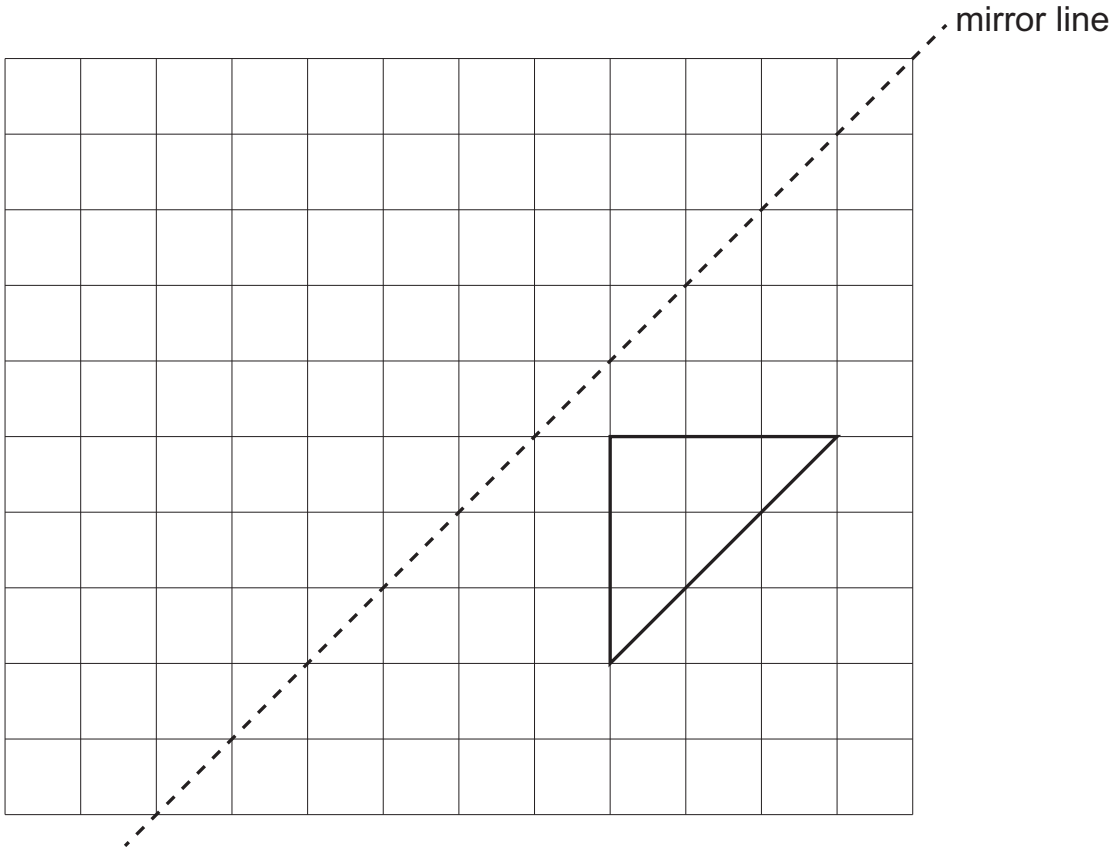
(b) Here is a drawing of a different house.

Not drawn to scale

The drawing of the house has one line of symmetry.
The angle at the top of the house is 100°.

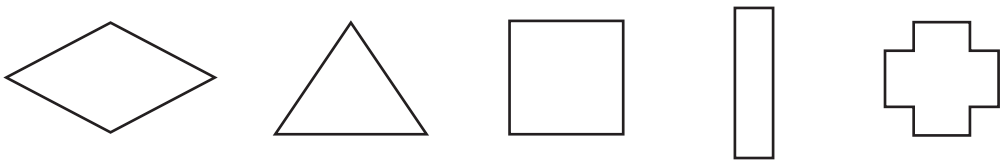
Write the sizes of the **two** marked angles in the boxes. [1]

10 Here is a triangle drawn on a grid of squares.



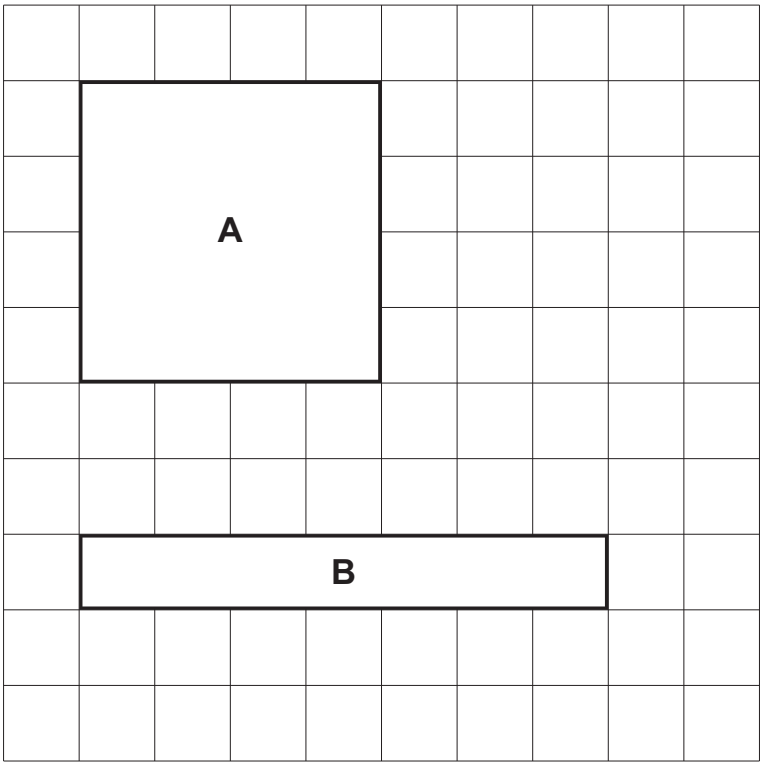
Reflect the triangle in the mirror line.
Draw the reflection. [1]

11 Here are some 2D shapes.



Draw a ring around **each** shape with rotational symmetry of order 2 [1]

12 Here are two shapes drawn on a grid of 1 cm squares.
The shapes are labelled A and B.



Use the symbol **<** or **=** or **>** to make each of these statements correct.

area of A ☐ area of B

perimeter of A ☐ perimeter of B

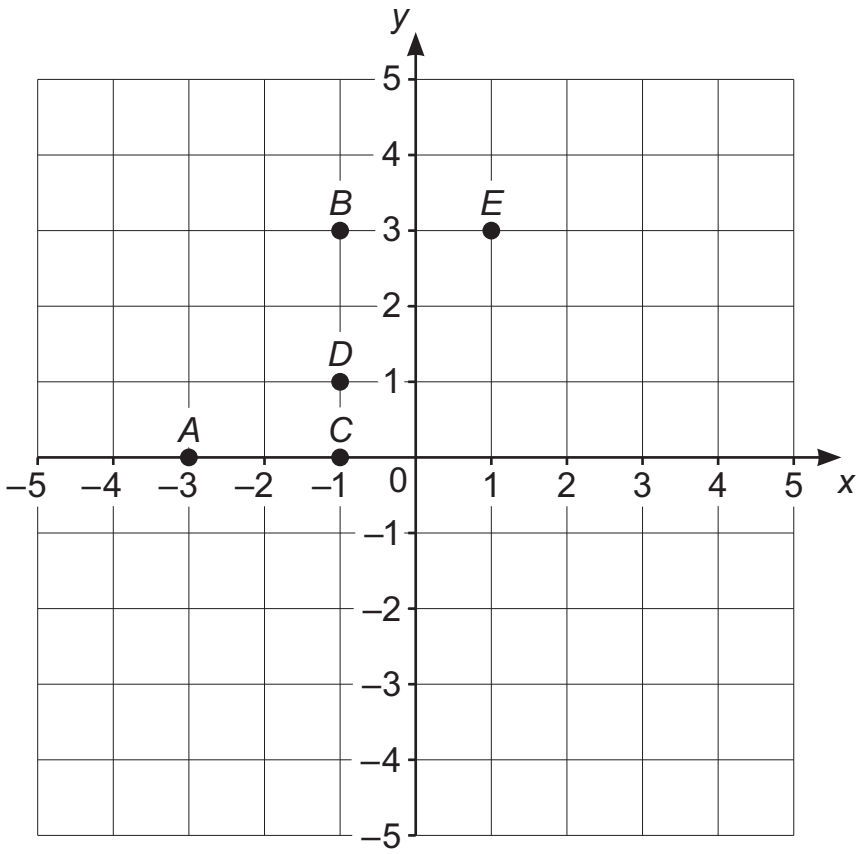
[1]

13 Write a number in the box to make the statement correct.

$$4^{\square} = 64$$

[1]

14 Here is a centimetre coordinate grid.



Mia plots points *A*, *B*, *C*, *D* and *E* on the grid.

(a) Write the coordinates of point *D*.

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

(b) Mia draws a circle with centre *D* and radius 2 cm.
One of the points is on the circumference of the circle.

Write the letter of the point that is on the circumference of the circle.

..... [1]

15 Angelique has a 2 litre bottle.
She pours 1 litre of water into her bottle.

Complete the sentence using **two** of these options.

bottle	water	1 litre	3 litres

The **volume** of Angelique's ..... is .....
[1]

16 Here are some pairs of activities.

	Mutually exclusive	**Not mutually exclusive**
dream and sleep		
read and sleep		
move and sleep		
cook and sleep		

Tick (✓) to show if each pair of activities is mutually exclusive or not mutually exclusive. [1]

17 A race starts at 9 am.
Carlos crosses the finish line 4.25 hours later.

Write the time when Carlos crosses the finish line.

..... [1]

18 Draw a ring around **each** number that rounds to 5.0 when rounded to the nearest tenth.

4.45 5.50 5.01 5.11 4.95 4.55

[1]

19 Gabriella wants to find out if the children in Class R have a greater number of pets than the children in Class S.
She asks each child, 'What pets do you have?'

Explain **one** disadvantage of Gabriella's question.

.....

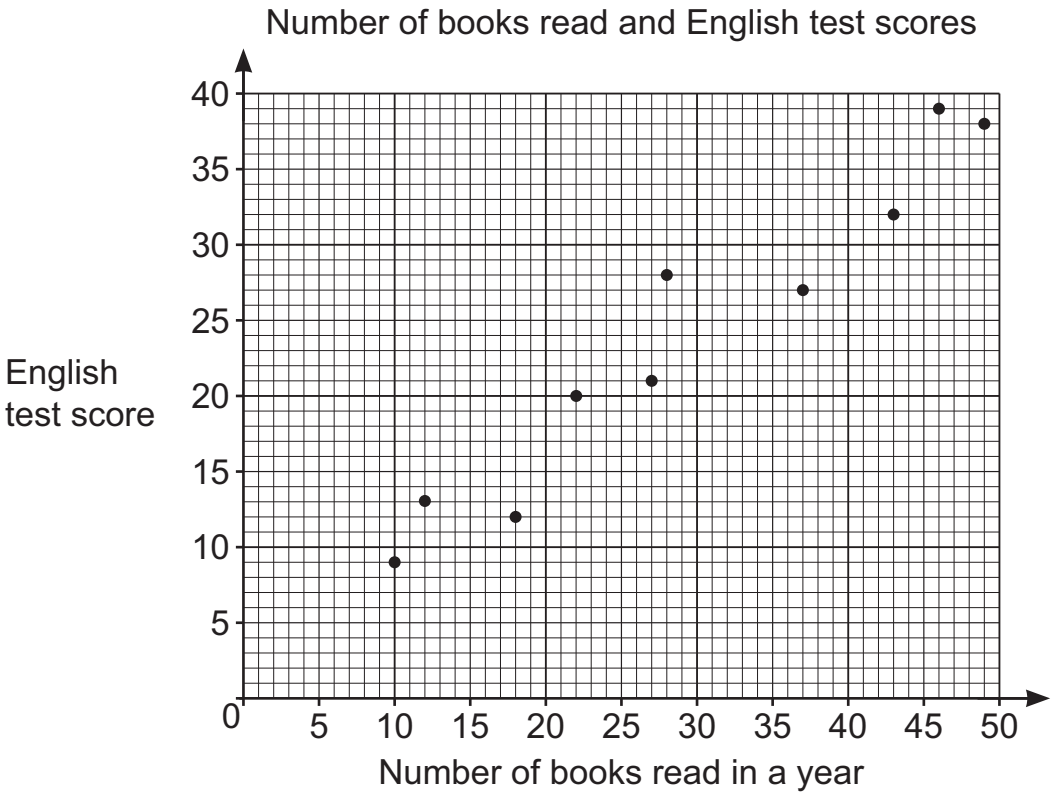
.....

..... [1]

20 A teacher wants to know if there is a connection between the number of books that a child reads and their English test score.

He asks some children how many books they read in a year.
He records their English test scores.

He creates a scatter graph from the data he collects.



(a) Ahmed reads 30 books and scores 35 on the English test.

Plot a point on the graph to show this information. [1]

(b) Complete the sentence.

The data shows that as the number of books read in a year increases

the English test score tends to ..... . [1]

21 Draw lines to match the values with the correct digit in the number 5555.555

5 hundredths 5 tens 5 ones 5 thousandths

5	5	5	5	.	5	5	5

[1]

22 An orange costs 60 cents.
An apple costs 15% less.

Calculate the price of an apple.
Show your working.

..... cents [2]

23 Here is a data set.

3 5 5 5 7 8 9

Draw a line to the correct number to complete **each** sentence.

The mode is… 5

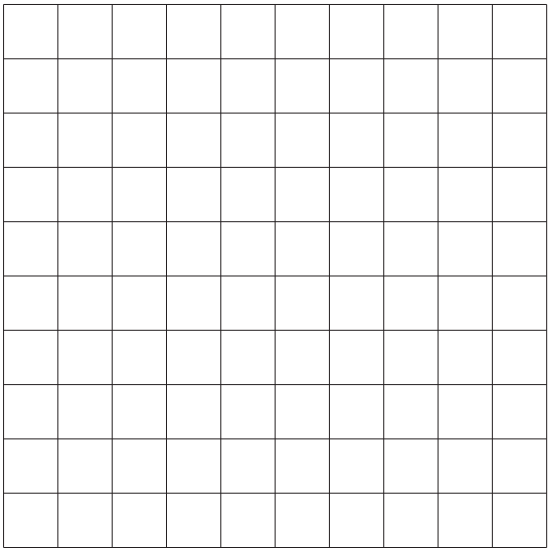
The median is… 6

The mean is… 7

The range is…

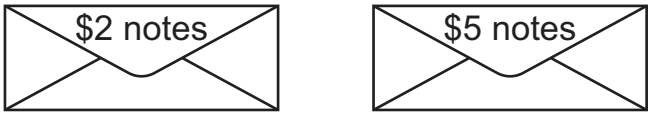
[2]

24 Here is a grid of squares.



Draw a quadrilateral with exactly **one** line of symmetry.
Use a ruler. [1]

25 Eva has some $2 notes and some $5 notes.
She keeps them in two separate envelopes.



A represents the **total amount** in the envelope that contains the $2 notes.
B represents the **total amount** in the envelope that contains the $5 notes.

$$A + B = \$25$$

Write a possible pair of values for A and B.

A = $ .....

B = $ .....

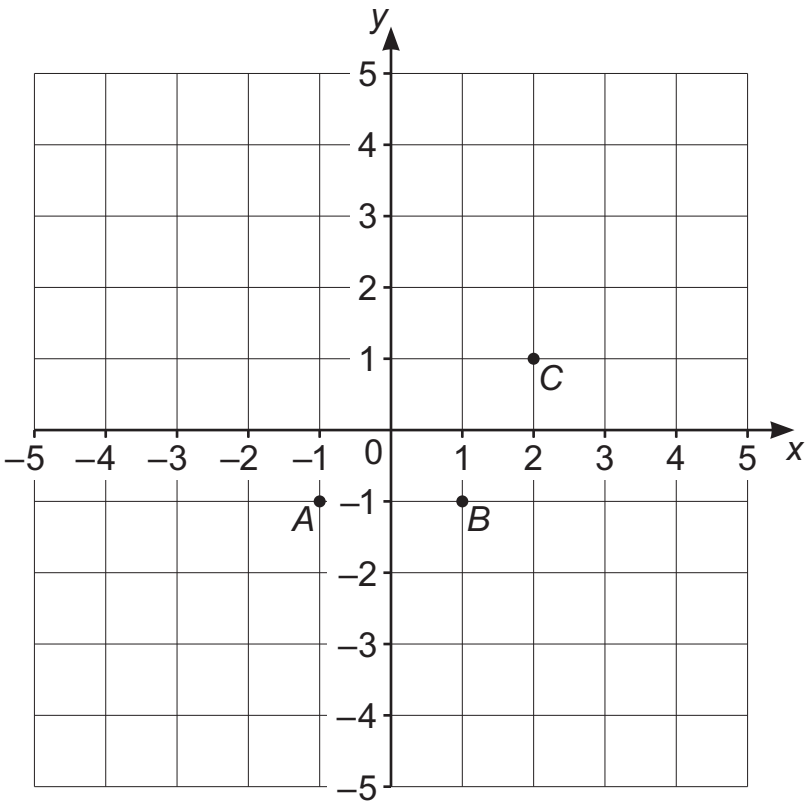
[1]

26 Complete the table.

	Common factor	Common multiple
4 and 10	.....	.....
..... and	5	30

[2]

27 Here is a coordinate grid.

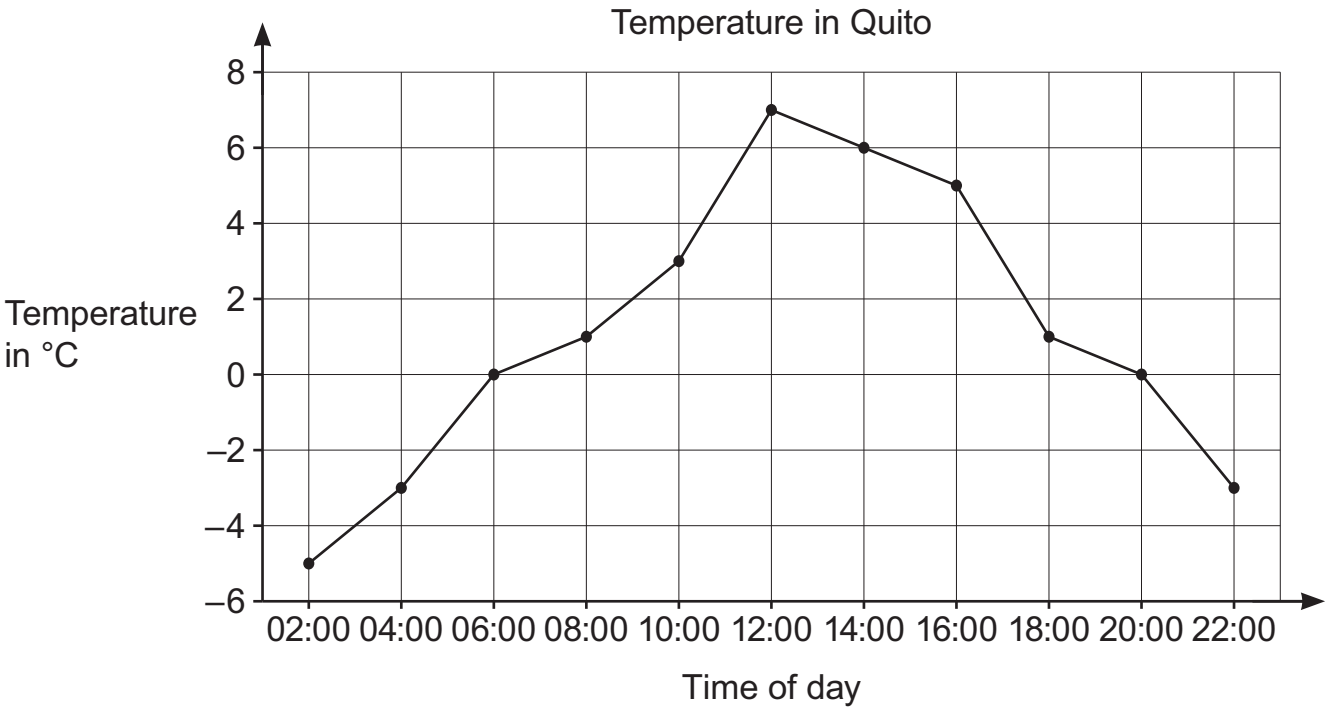


Points *A*, *B* and *C* are three vertices of a parallelogram.
Point *D* completes the parallelogram *ABCD*.

Write the possible coordinates of point *D*.

D = (..... , ...) [1]

28 Here is a graph which shows the temperature in Quito during part of a day.

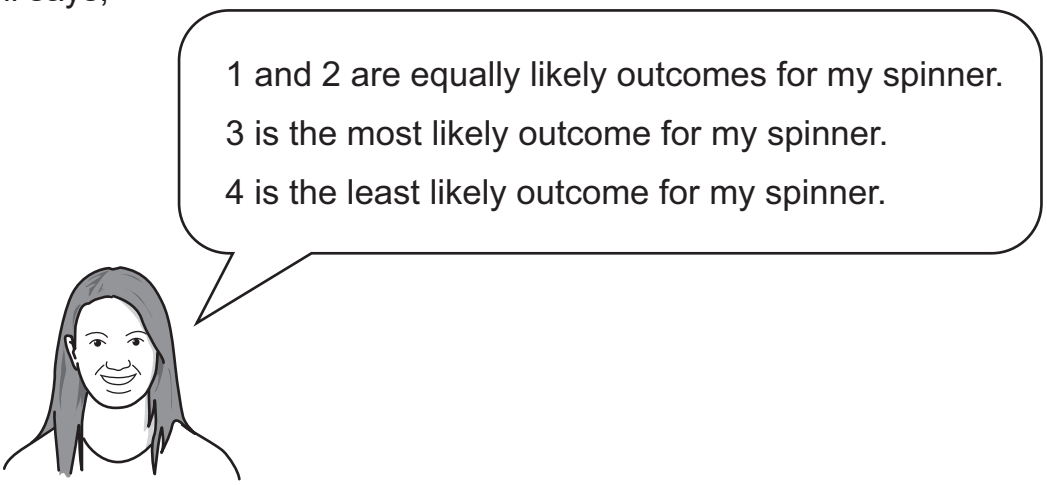


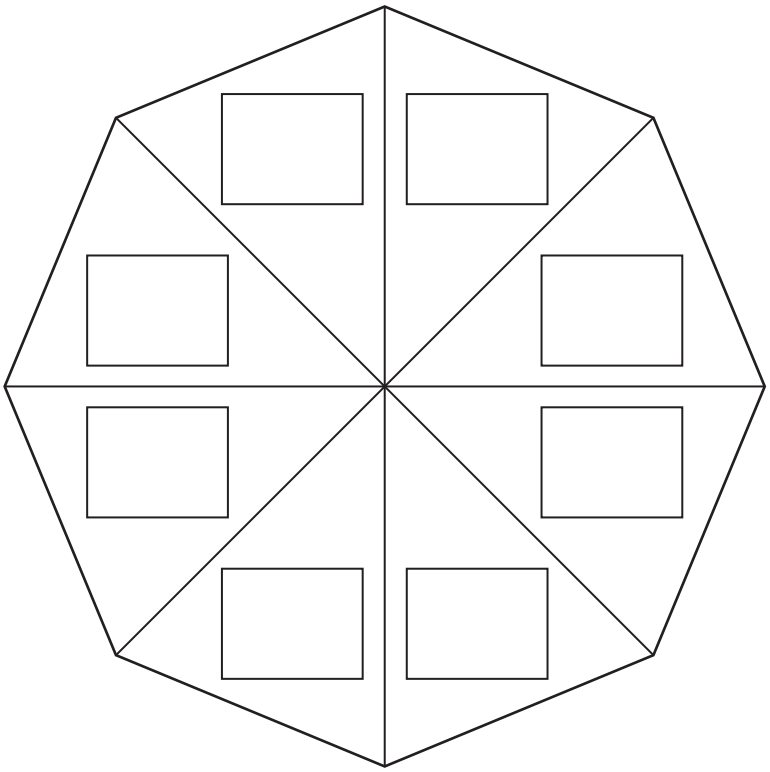
Write the number of hours it takes for the temperature to decrease from 7 °C to 0 °C.

..... hours [1]

29 Naomi makes a spinner.
She uses the numbers 1, 2, 3 and 4

Naomi says,



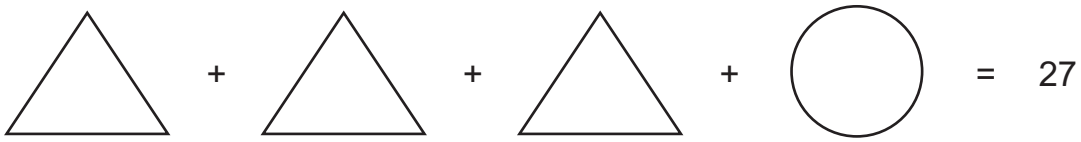


Write the numbers 1, 2, 3 and 4 in the boxes on the spinner to make Naomi's statements correct. [1]

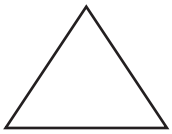
30 Here are two shapes.

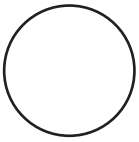
Each shape represents a whole number between 1 and 10

Yuri writes this statement.



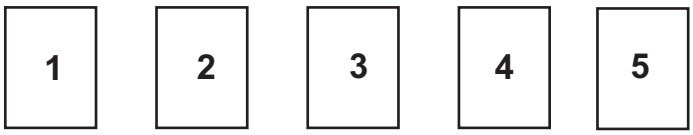
Write a value for each shape so that Yuri's statement is correct.

 = ...

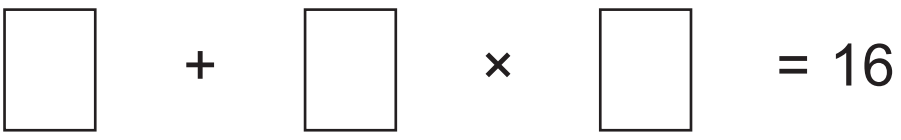
 = ...

[1]

31 Here are five number cards.

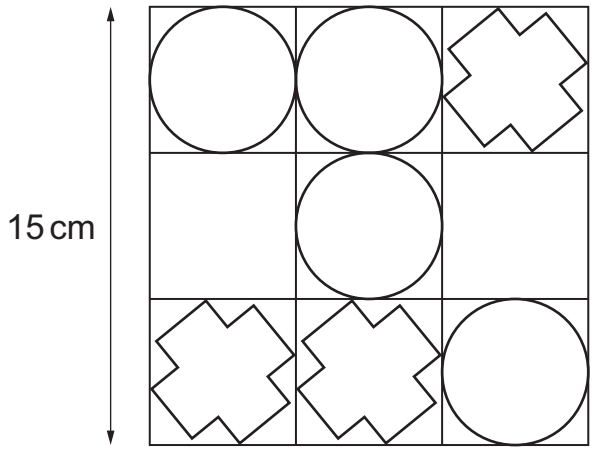


Use **three** of the number cards to make this calculation correct.
Each card can only be used once.



[1]

32 Here is a picture of a pattern.
It contains four identical circles and three identical crosses.



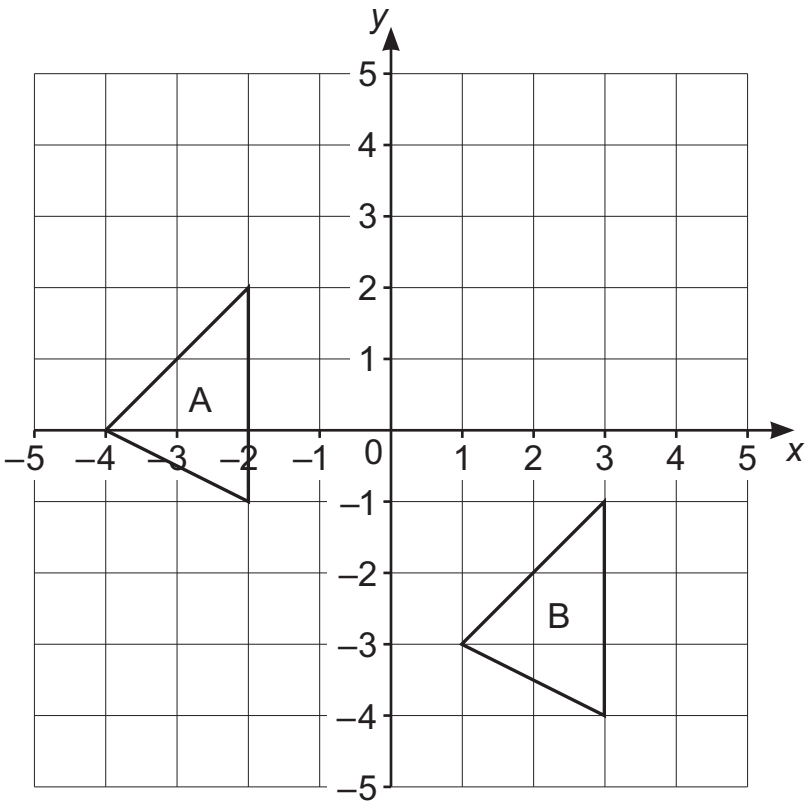
Not drawn to scale

The side of the pattern is 15 cm.

Calculate the diameter of each circle.

..... cm [1]

33 Pierre draws triangle A on a coordinate grid.
He translates triangle A to triangle B.

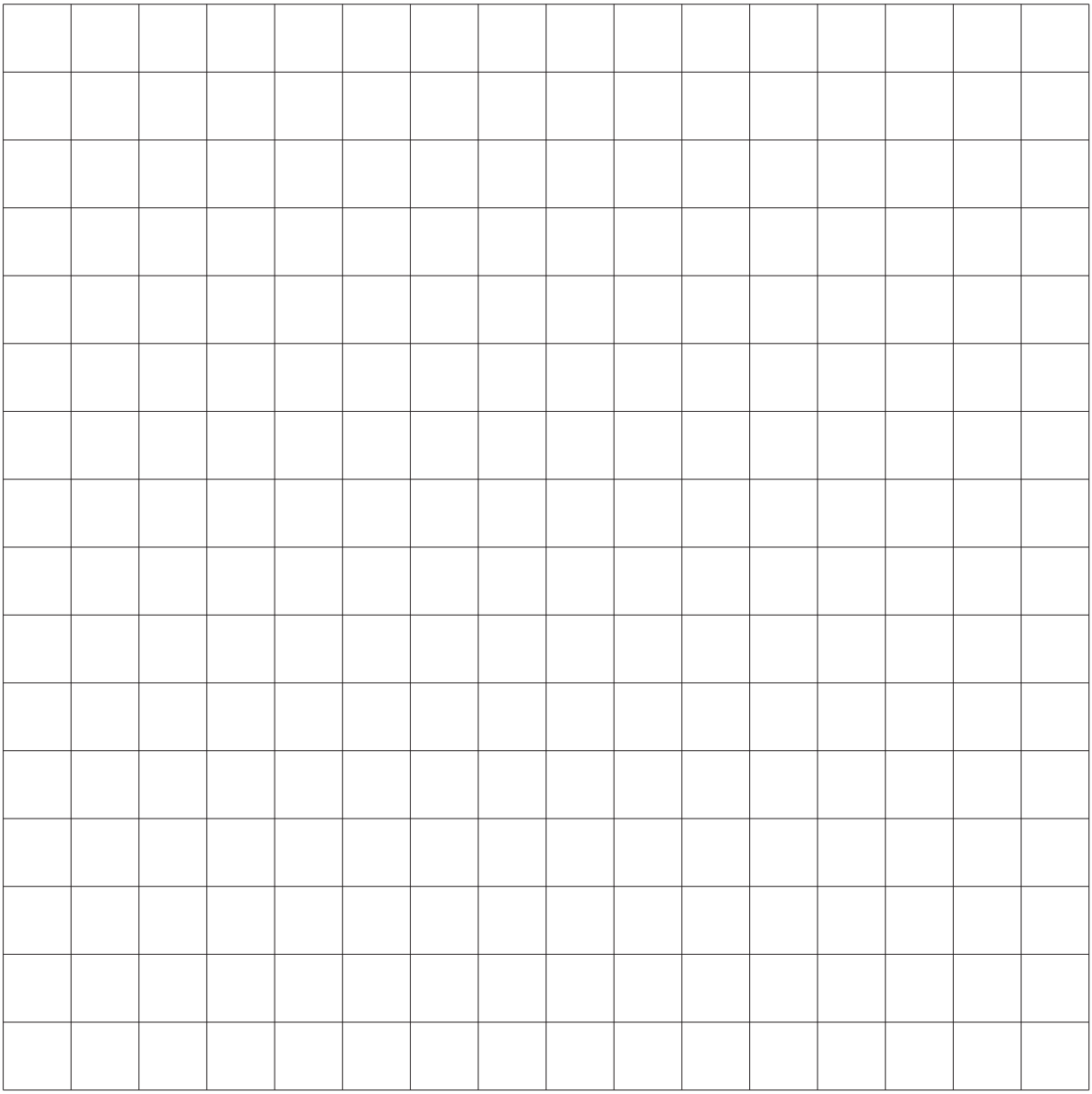


Write numbers to complete the sentence.

Pierre translates triangle A ..... squares right

and ..... squares down. [1]

34 Here is a grid of 1 cm squares.



Draw on the grid a right-angled triangle that has an area of 8 cm^2. [1]