Cambridge Primary Progression Test
Question paper

Cambridge Primary

45 minutes

Mathematics Paper 1

Stage 5

1394798303

Name .....

Additional materials: Ruler
Protractor

Calculators are **not** allowed.

READ THESE INSTRUCTIONS FIRST

Answer **all** questions in the spaces provided on the question paper.

You should show all your working on the question paper.

The number of marks is given in brackets [ ] at the end of each question or part question.

The total number of marks for this paper is 40.

For Teacher's Use	
Page	**Mark**
1	
2	
3	
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9	
10	
11	
12	
13	
14	
Total	

DC (NH/JG) 93911/5RP

CAMBRIDGE International Examinations

For Teacher's Use

1 Complete these sentences.

3573 is ..... rounded to the nearest 10

3573 is ..... rounded to the nearest 1000

[1]

2 Draw a ring around the two numbers that total 10

2.4 3.4 4.6 6.4 7.6 8.6

[1]

3 **(a)** Double 260 = ☐

[1]

(b) Double ☐ = 9400

[1]

4 Write the missing number in each box.

(a) 1954 → (100 more) → ☐

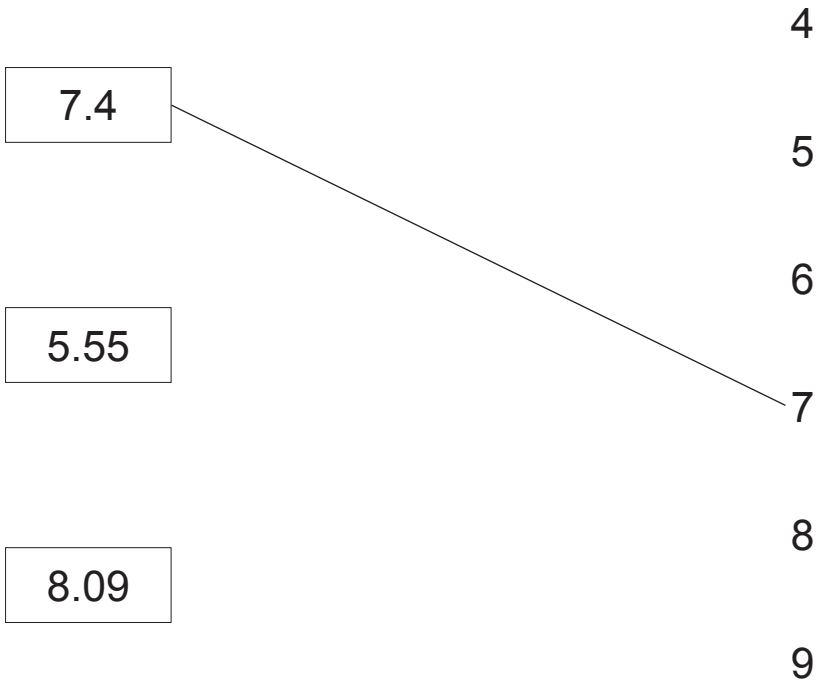
[1]

(b) ☐ → (1000 more) → 30 217

[1]

5 Draw a line to match each box to the nearest whole number.
The first one has been done for you.

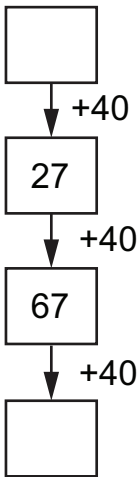
For Teacher's Use



[2]

6 Here is a number pattern.

Write the missing number in each box.



[2]

7 Here are five number cards.

A	B	C	D	E
904	914	1904	9040	90 400

Which card shows the number that is 100 times bigger than 904?

..... [1]

8 Fill in the missing numbers in this multiplication grid.

x	3	6	
4	12	24	
		36	48
9	27		72

[2]

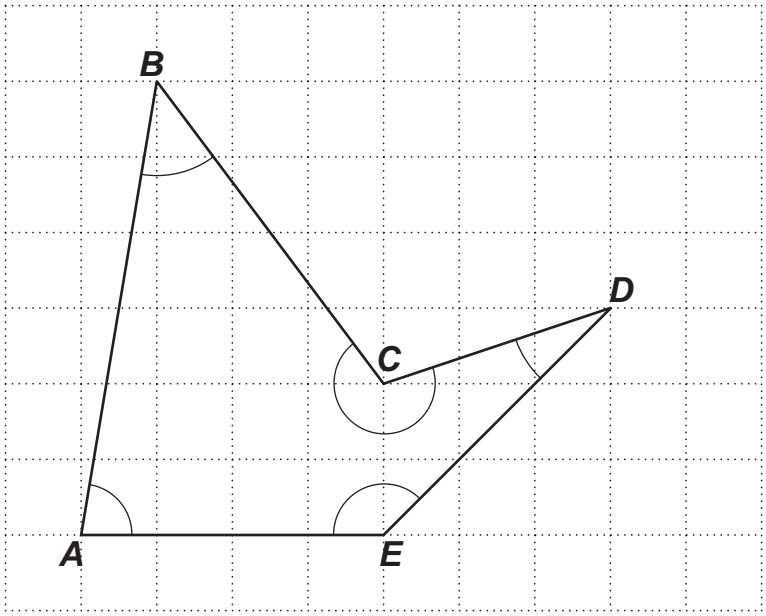
9 Calculate

6024 – 3997

..... [1]

10 Here is a shape.

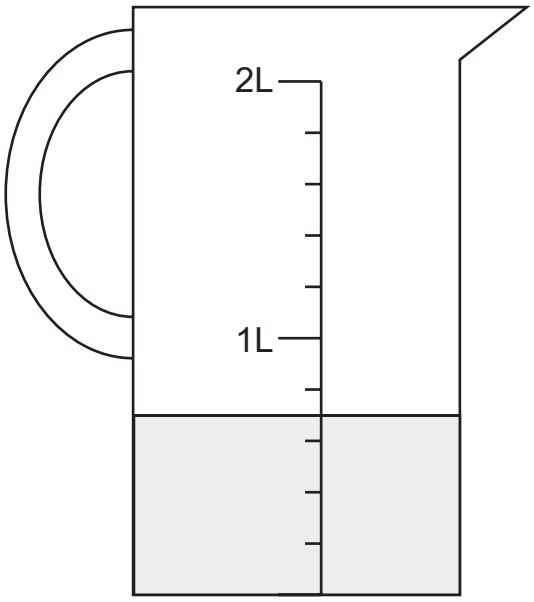
For Teacher's Use



Write the letter of each angle that is an **acute** angle.

..... [1]

11 Here is a jug of water.



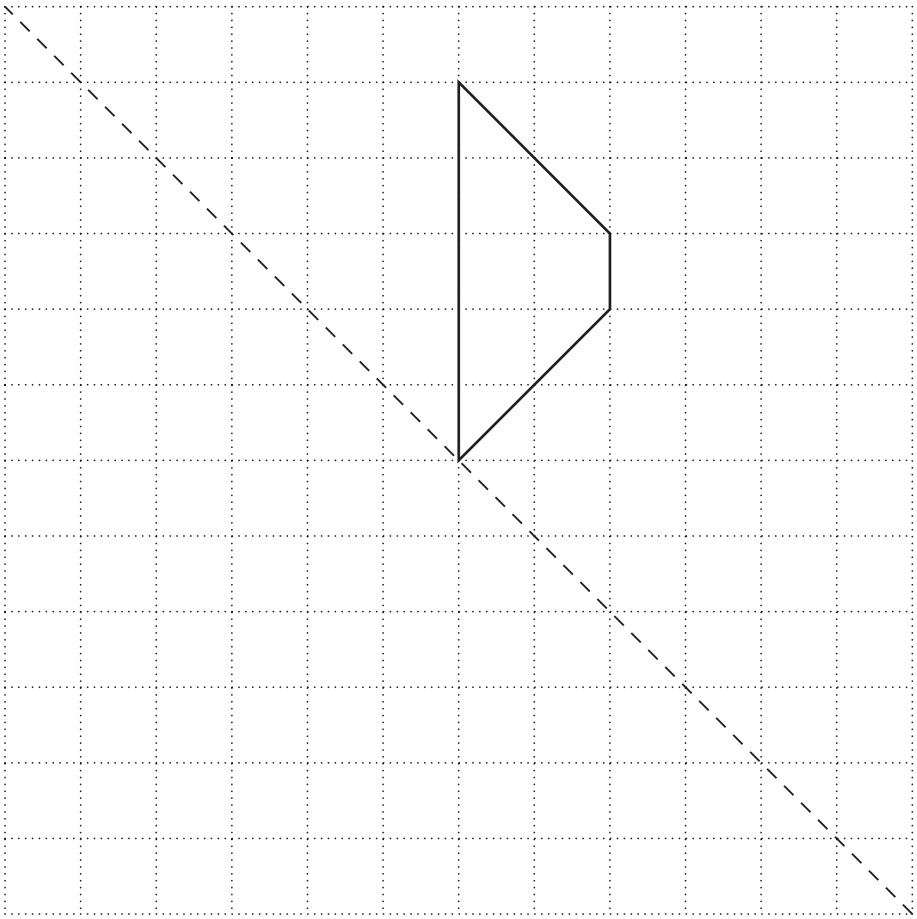
Paul adds another 600 millilitres of water.

Draw a line to show the new level of water.

[1]

12 Draw the reflection of the trapezium in the mirror line.

Use a ruler.



[1]

13 **(a)** 268 × 7

..... [1]

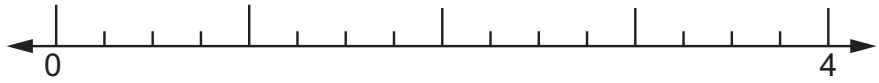
(b) 704 ÷ 4

..... [1]

14 Here are three fractions.

Join each one to the correct position on the number line.

$\frac{10}{8}$ $\frac{3}{4}$ $\frac{8}{2}$



[2]

15 There are 150 sweets in a box.

Andrew **and** his five friends share them equally.

How many sweets does each child get?

..... sweets [1]

16 The number 2 is a factor of **both** 18 and 30

Write **two** more numbers, greater than 1, that are factors of both 18 and 30.

..... and ..... [1]

17 Here are four statements about triangles.

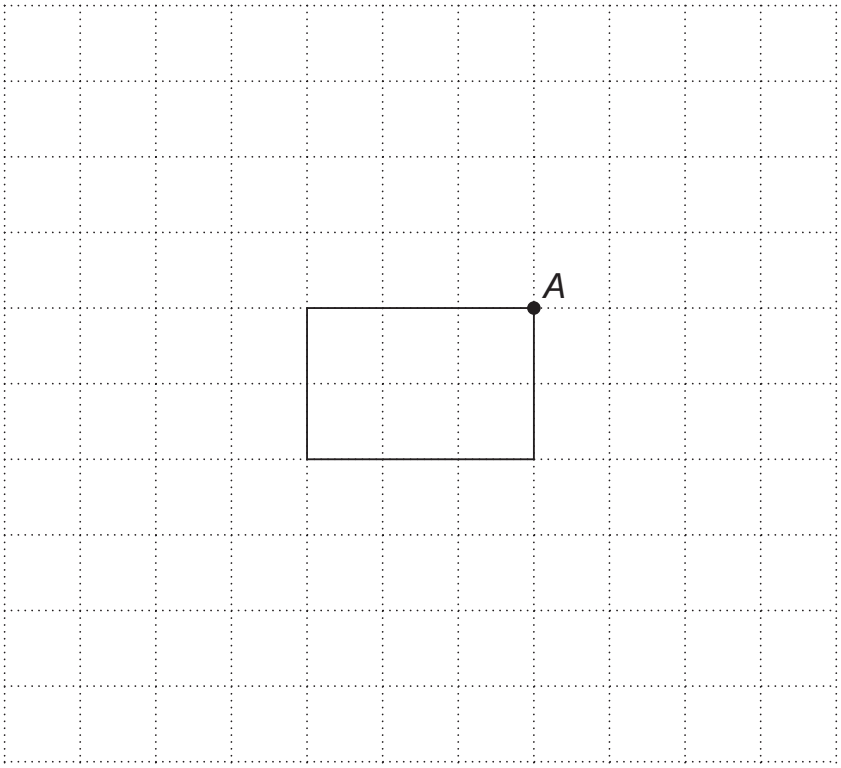
Write the word "True" or "False" next to each statement.

	True / False
Triangles can have 2 acute angles.	
Triangles can have 2 obtuse angles.	
Triangles can have 2 perpendicular sides.	
Triangles can have 2 parallel sides.	

[2]

18 This rectangle is rotated 90º clockwise about point *A*.

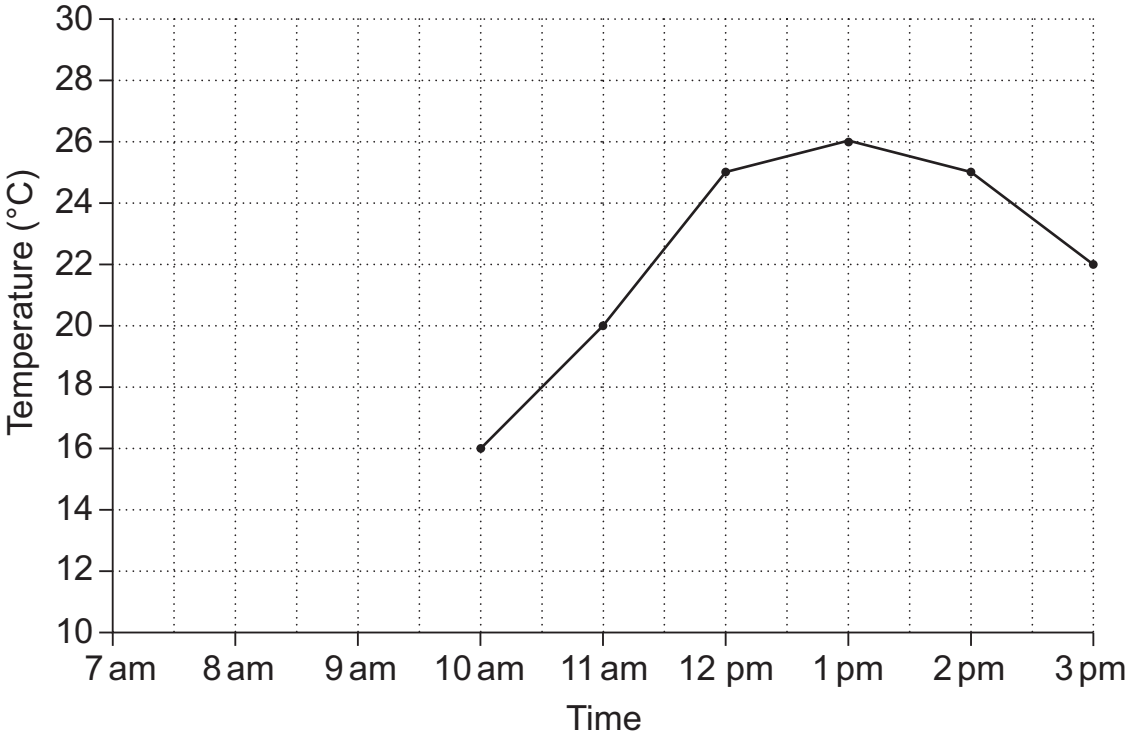
Draw the rectangle in its new position.



[1]

19 Here is part of a graph showing the temperature on one day.

For Teacher's Use



(a) The temperature at 8 am was 12 °C.
The temperature at 9 am was 15 °C.

Plot these points and join them up to complete the graph. [1]

(b) What was the temperature at 10:30 am?

..... °C [1]

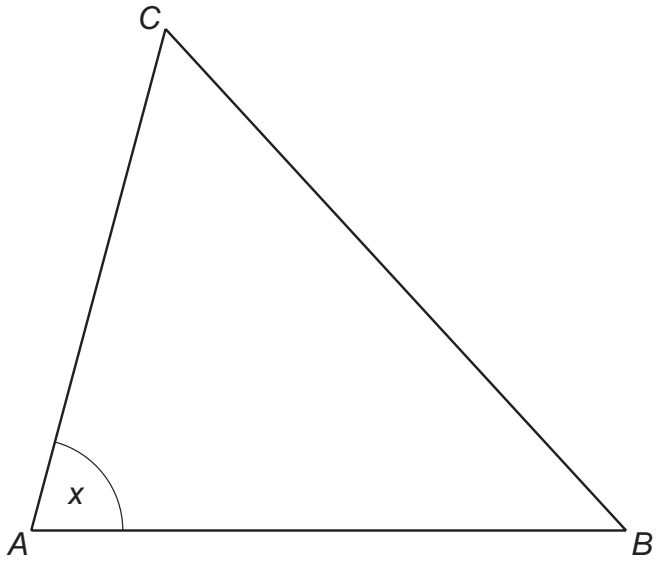
(c) For how long was the temperature 25 °C or higher?

..... [1]

[Turn over

For Teacher's Use

20 Look at the triangle labelled *ABC*.



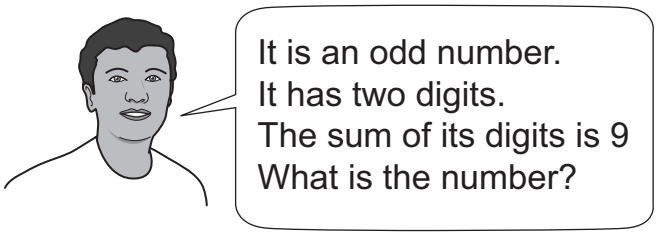
(a) Use a protractor to find the size of angle *x*.

..... ° [1]

(b) Measure the length of the line *AB* to the nearest millimetre.

..... mm [1]

21 **(a)** Omar is thinking of a **square** number between 1 and 100



..... [1]

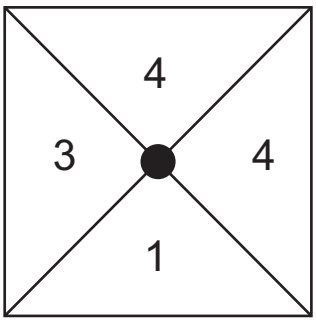
(b) Two square numbers total 89

What are the two numbers?

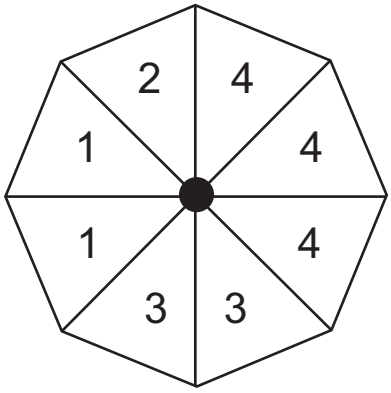
..... and ..... [1]

22 Here are two spinners, A and B.

For Teacher's Use



Spinner A



Spinner B

(a) For each statement, write **True** or **False** in the box.
The first one has been done for you.

Scoring '2' **is more likely** on A than on B. *False*

Scoring '4' **is less likely** on A than on B.

Scoring '3' **is as equally likely** on A as on B.

[1]

(b) Robin spins both spinners.

The score on A is added to the score on B.

He says,

'The sum of the scores on both spinners is certain to be less than 8'.

Is he correct?

Yes ☐ No ☐

Explain how you know.

.....

.....

..... [1]

For Teacher's Use

23 Two presents cost $120 altogether.

One present costs **twice** as much as the other.

What was the price of the **more expensive** one?

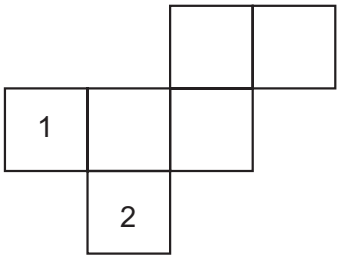
$ .....[1]

24 Here is the picture of a six-sided dice.

It has the numbers 1 to 6 on its faces.

The **opposite faces** always **total seven**.

Here is a net of the same dice.



Write the numbers 3, 4, 5 and 6 in the correct positions on the net. [2]

For Teacher's Use

25 Here are six digit cards.

1	2	3	4	5	6

(a) What is the **smallest odd** six digit number between 500 000 and 600 000 that can be made using each card only once?

..... [1]

(b) Use the cards to make four more **odd** six digit numbers between 500 000 and 600 000. Use each card only once in each number.

.....

.....

.....

..... [1]

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