

Each side of the number balance has the same answer.

A balance scale is shown with a horizontal beam and a triangular fulcrum in the center. On the left side of the beam, there is a box containing the text $5 \times$ followed by an empty rectangular box. On the right side of the beam, there is the expression $100 - 70$.

Dan says,

My answer is 38'



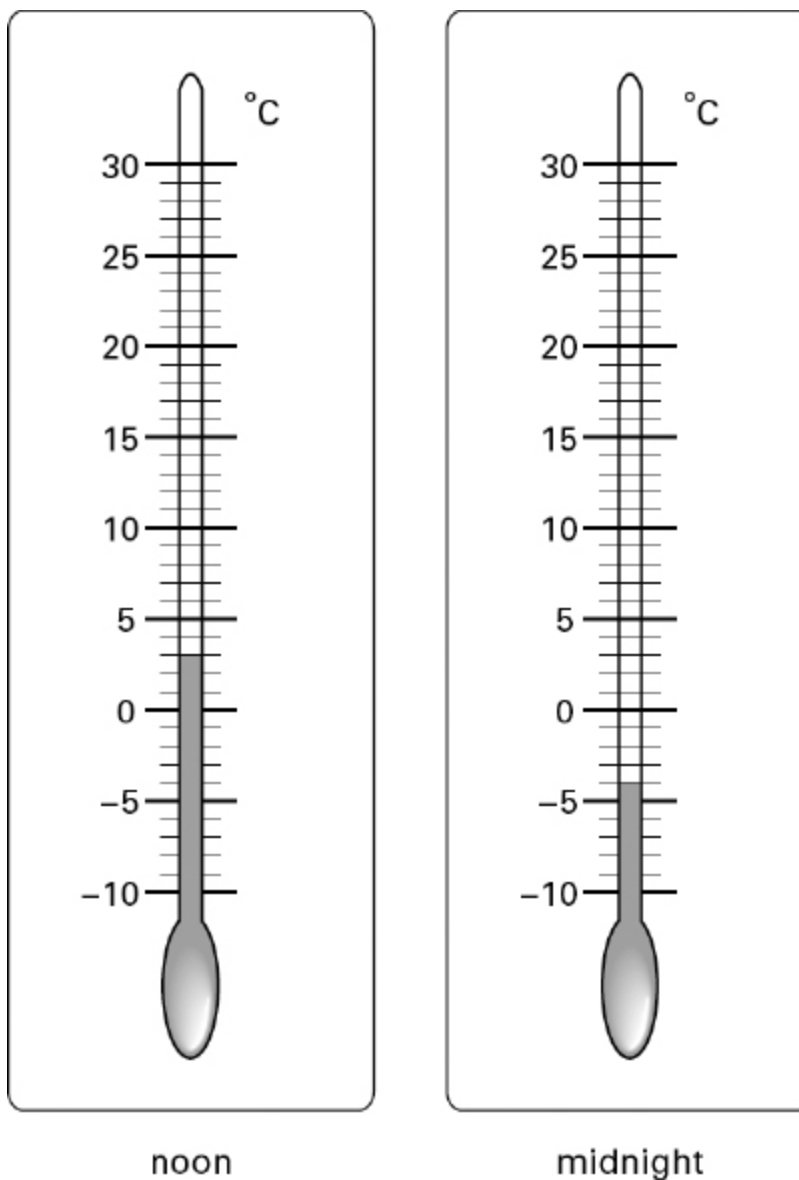
Show
your
method

A blank sheet of graph paper with a light blue grid pattern. The grid consists of small squares. A thick black rectangular box is drawn on the right side of the page, spanning approximately two-thirds of the height of the grid area. The box is empty.

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3.

These are temperatures at noon and midnight on a day in winter.



How many degrees higher is the temperature at noon than at midnight?

degrees

1 mark

4.

Write in the missing numbers.

One has been done for you.

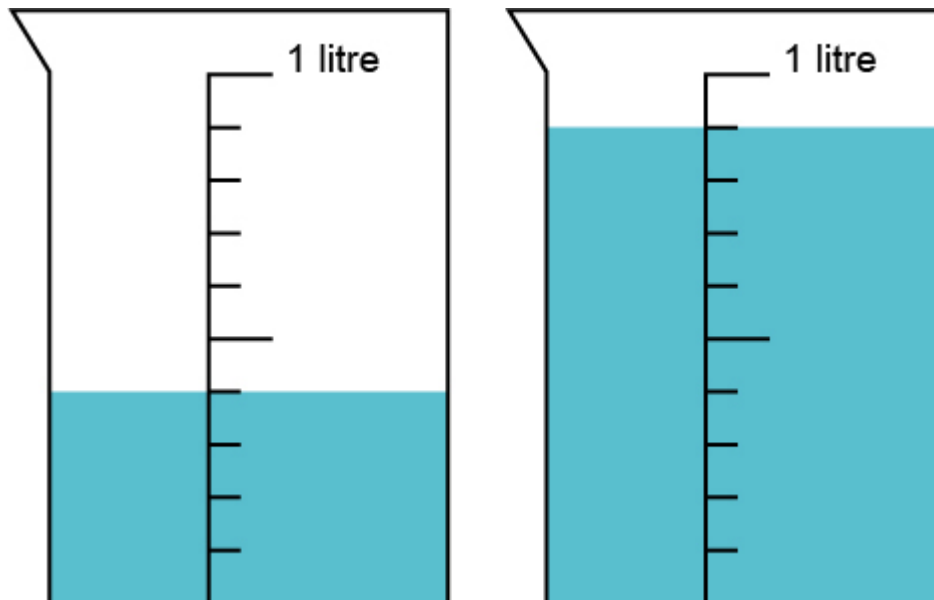
$$\boxed{3} \longrightarrow \times 100 \longrightarrow \boxed{300}$$

$$\boxed{1\frac{1}{2}} \longrightarrow \times 100 \longrightarrow \boxed{}$$

$$\boxed{\frac{3}{4}} \longrightarrow \times 100 \longrightarrow \boxed{}$$

1 mark

5.



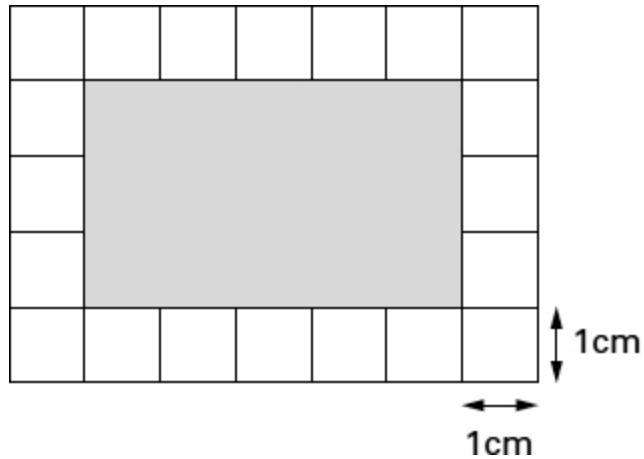
What is the total volume of liquid in these measuring beakers, in litres?

litres

1 mark

6.

Here is a shaded rectangle drawn on a grid of centimetre squares.



What is the **area** of the **shaded rectangle**?

cm^2

1 mark

7.

Write in four digits to make this correct.

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 $\times$

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 $=$

1	1	0	0
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1 mark

8.

What number is halfway between 1.5 and 2.4?

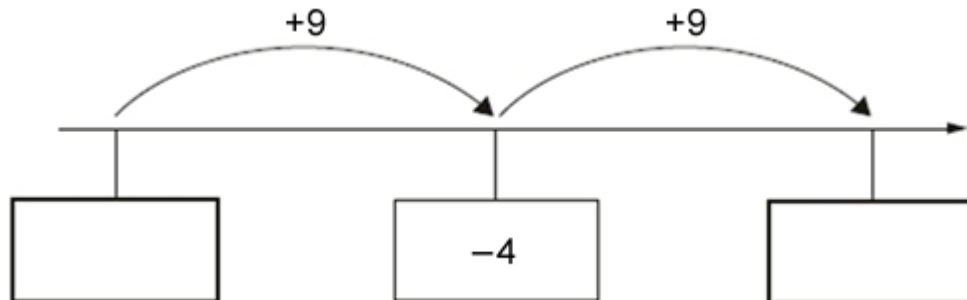
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1 mark

9.

Here is part of a number line.

Write the missing numbers in the boxes.



2 marks

10.

Write these numbers in order.

One has been done for you.

2.04

0.24

0.4

~~24~~

4



smallest

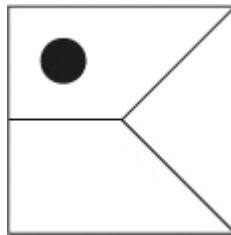


largest

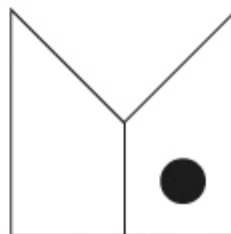
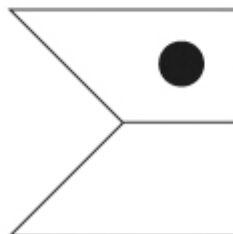
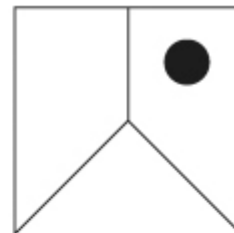
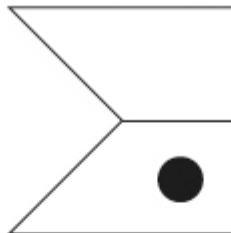
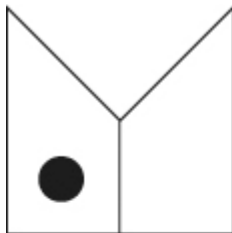
1 mark

11.

Look at this shape.



Tick (✓) how it will look after **half a turn**.



1 mark