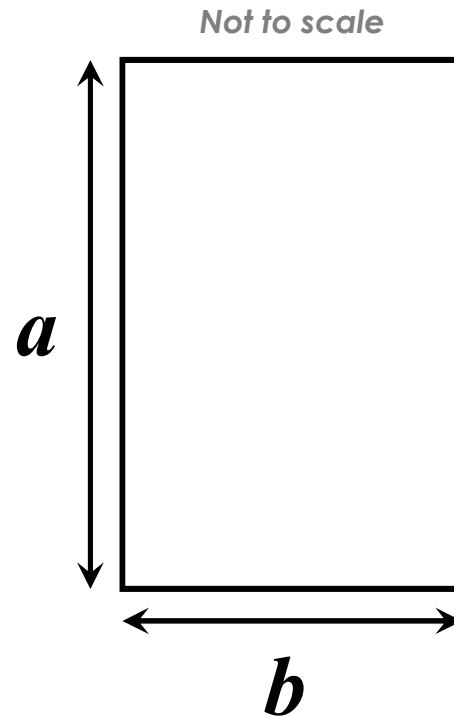


Varied Fluency 2

Work out the perimeter (p) of this shape using the formula $p = 2a + 2b$, if $a = 2.5\text{cm}$ and $b = 3.5\text{cm}$.



Varied Fluency 3

Circle the correct formula for finding the area (a) of a square.

$$a = b \times c$$

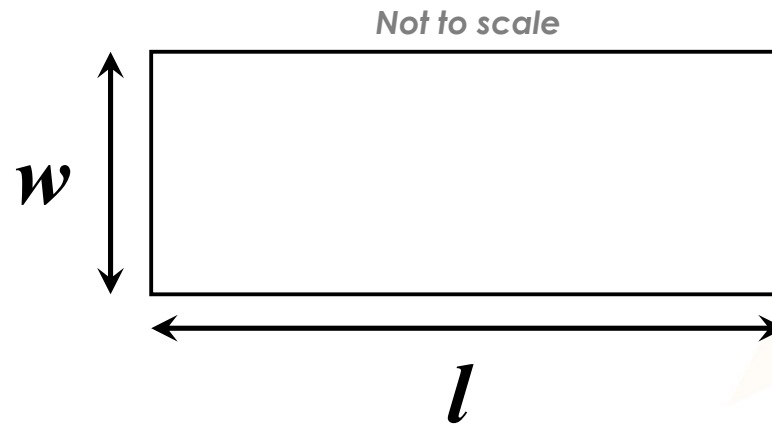
$$a = b + b + c + c$$

$$a = b \div c$$

Write the correct formula here:

Problem Solving 1

**Gethin is calculating the perimeter of a rectangle.
He is using the formula $p = 2w + 2l$.**



**When $l = 7.5\text{cm}$, he calculates that $p = 24\text{cm}$.
What is the value of w ?**

Reasoning 1

Here is a formula for amount of fabric (f) needed to make a pair of curtains.

$$f = 2w \times h$$

A window is 5.4 metres wide (w) and 1 metre high (h).
Jamie has 9m^2 of fabric.

Does Jamie have enough fabric? Convince me.

Reasoning 2

Benjamin's pocket money (p) is calculated by halving his age (a) and adding 10.

Which two formulae represent this?

A. $p = 0.5a + 10$

B. $p = 2a + 10$

C. $p = \frac{a}{2} + 10$

Explain how you know.