

Monday (easy) – LO: to use and calculate formulae.

Varied fluency

Reasoning and problem solving

1a. Match each box on the left to the correct label.

$P = 2a + 2b$

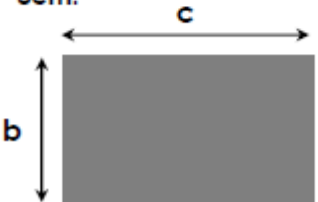
formula

$36 + 56 = 92$

calculation

VF

2a. Work out the area (A) of this shape using the formula $A = b \times c$, if $b = 5\text{cm}$ and $c = 8\text{cm}$.



Not to scale

VF

3a. Circle the correct formula for doubling a number.

$$D = n \times n$$

$$D = 2n$$

$$D = \frac{n}{2}$$

VF

4a. The number of adults (a) needed to oversee an early years trip is calculated as six children (c) to each adult.

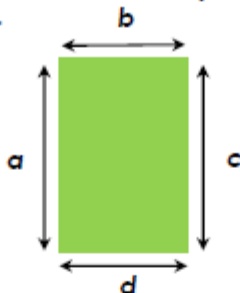
Expressed as the formula:

$$c = 6a$$

If there are 5 adults how many children can go on the trip?

VF

1a. Write a formula for the perimeter of the shape.



Use your formula to work out the perimeter if $a = 9\text{cm}$, $c = 9\text{cm}$, $b = 2\text{cm}$ and $d = 2\text{cm}$.

Not to scale


PS

2a. Here is a formula for the amount of wood to buy when building a shed (S).

$$S = 2 \times w$$

Hamish needs a shed 6m wide (w). He has 20m of wood.

Does Hamish have enough wood? Convince me!



R

3a. Cleaning fluid (c) is made up of 5 cups of water (w) and 2 cups of bleach (b).

Which formula represents this?

A. $c = 5w + 2b$

B. $c = 5 + w + 2 + b$

Explain how you know.

R