

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

Varied fluency

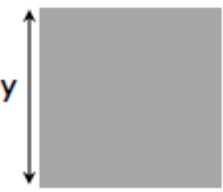
Reasoning and problem solving

5a. Match each box on the left to the correct label.

$9 + 3y$	formula
$V = 4r + s$	expression
$25 = 100 \div 4$	calculation

★ VF

6a. Work out the perimeter (P) of this shape using the formula $P = 4y$, if $y = 2.3\text{cm}$.



Not to scale

★ VF

7a. Circle the correct formula for finding a squared number.

$a = 2b$

$a = b \times b$

$a = \frac{b}{2}$

★ VF

8a. To calculate the price of a taxi (P), the firm decide to charge £0.75 per mile (m).

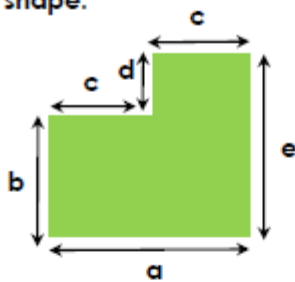
Expressed as the formula:

$0.75m = P$

If a journey is 8 miles how much will a taxi cost?

★ VF

4a. Write a formula for the perimeter of the shape.



Use your formula to work out the perimeter if $a = 10\text{cm}$, $b = 6\text{cm}$, $c = 4\text{cm}$, $d = 3\text{cm}$ and $e = 8\text{cm}$.


★ Not to scale PS

5a. Here is a formula for the amount of paint needed (P) to paint a wall.

$P = w \times 50\text{ml}$

A wall is 13m wide (w). Deni has 650ml of paint.

Does Deni have enough paint? Convince me!



★ R

6a. The formula for calculating speed (s) is distance (d) divided by time (t).

Which two formulae represent this?

A. $s = d \div t$

B. $s = t \div d$

C. $s = \frac{d}{t}$

Explain how you know.

★ R