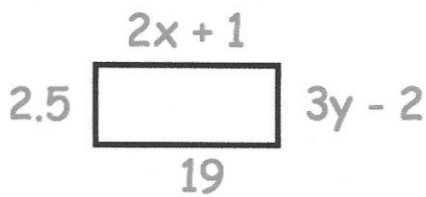




Shown below is a rectangle.
The measurements are in centimetres.



Find x

$$\begin{aligned} 2x + 1 &= 19 \\ 2x &= 18 \\ x &= 9 \end{aligned}$$

Find y

$$\begin{aligned} 3y - 2 &= 2.5 \\ 3y &= 4.5 \\ y &= 1.5 \end{aligned}$$

Find the perimeter of the rectangle.

$$\begin{aligned} 19 + 19 + 2.5 + 2.5 \\ = 43 \text{ cm} \end{aligned}$$

Expand and simplify

$$(3w - 5)(2w + 9)$$

$$6w^2 + 27w - 10w - 45$$

$$6w^2 + 17w - 45$$

A car travels at an average speed of 28.7mph ≈ 30 mph

Work out an estimate for how long it will take the car to travel 10 miles.

Is your answer an underestimate or an overestimate

$$\frac{10}{30} = \frac{1}{3} \text{ hour}$$

20 minutes

underestimate

Calculate the surface area of the cylinder.

$$\pi \times 1.5^2 = 7.068... \text{ m}^2$$

$$\pi \times 3 \times 5 = 47.123... \text{ m}^2$$

$$47.12... + 7.068... + 7.068... = 61.26 \text{ m}^2$$

