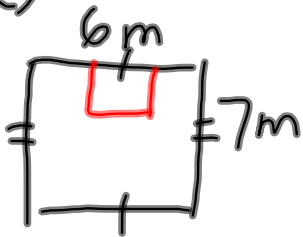


#5 (Perimeter)

(a)  $P = 2(l) + 2(w)$



$$\begin{aligned} P &= 2 \times 6 + 2 \times 7 \\ &= 12 + 14 \\ &= 26 \text{ m} \end{aligned}$$

$\therefore$  He needs 26m of carpet tape.

(b)  $R_{\text{ail}} = 26 - 2$   
 $= 24 \text{ m}$

No, he just subtracts 2m from the perimeter and it will be 24m

Area

$$\begin{aligned}\#5(a) \quad A &= lw \\ &= 7 \times 6 \\ &= 42 \text{ m}^2\end{aligned}$$

He needs  $42 \text{ m}^2$  of carpet.

$$\begin{aligned}(b) \quad \frac{\text{Area}}{2} &= \frac{10 \times 5}{2} \\ &= \frac{50}{2} \\ &= 25 \text{ m}^2\end{aligned}$$

$\therefore$  She needs  $25 \text{ m}^2$  of paint.