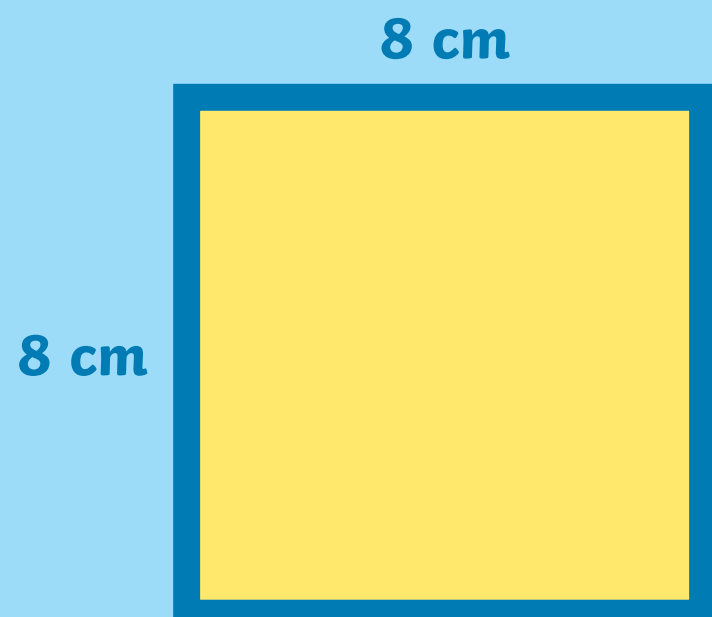
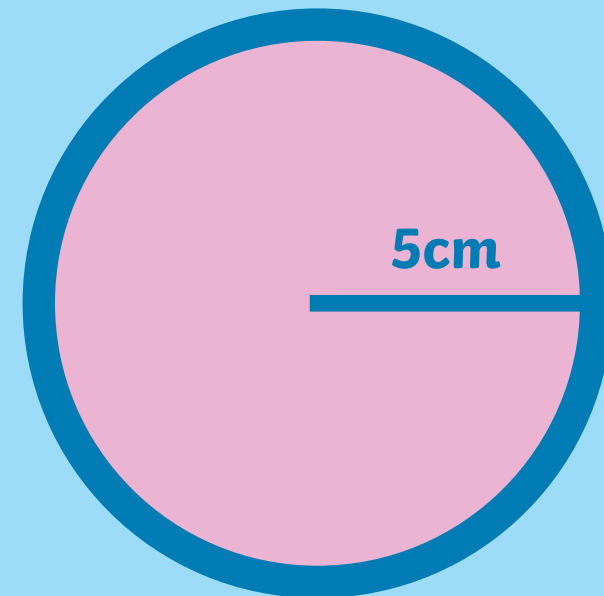


Area

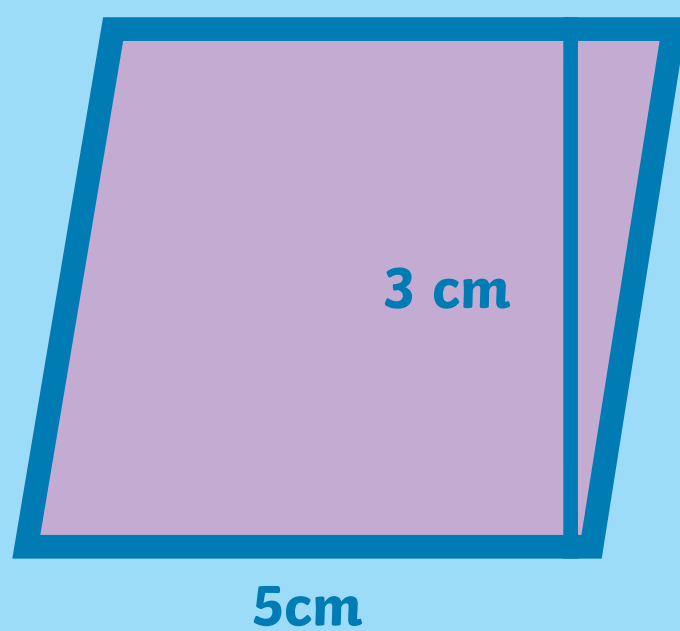
The amount of square units inside a shape.
Use different formulas for different shapes.



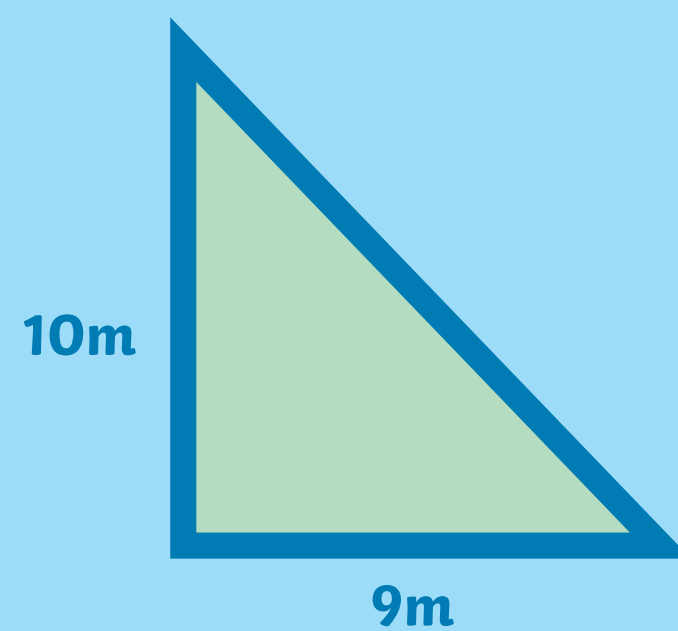
$$\begin{aligned}\text{area} &= \text{side} \times \text{side} \\ 8 \times 8 &= 64\text{cm}^2\end{aligned}$$



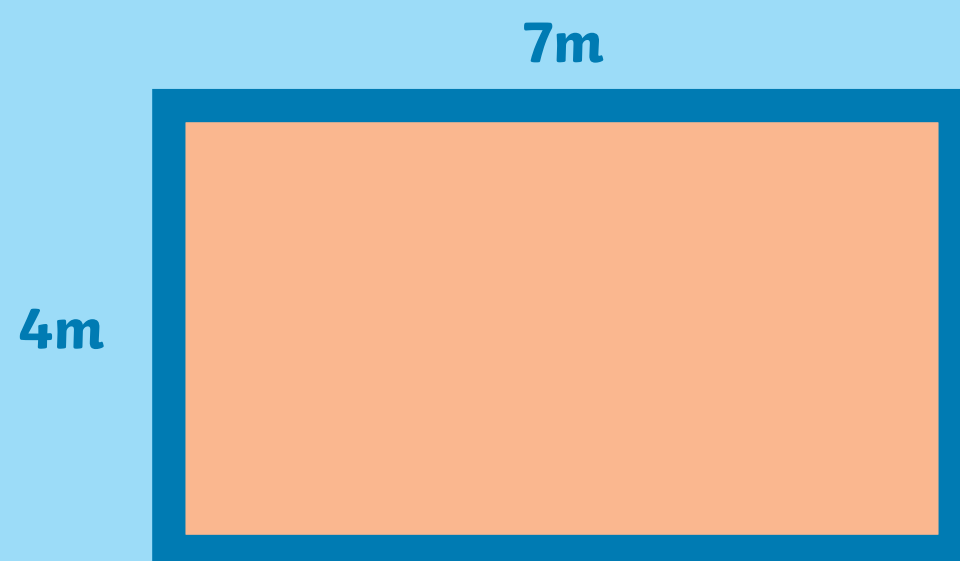
$$\begin{aligned}\text{area} &= \pi \times \text{radius}^2 \\ 3.14 \times 5 &= 78.5\text{cm}^2\end{aligned}$$



$$\begin{aligned}\text{area} &= \text{base} \times \text{height} \\ 3 \times 5 &= 15\text{cm}^2\end{aligned}$$



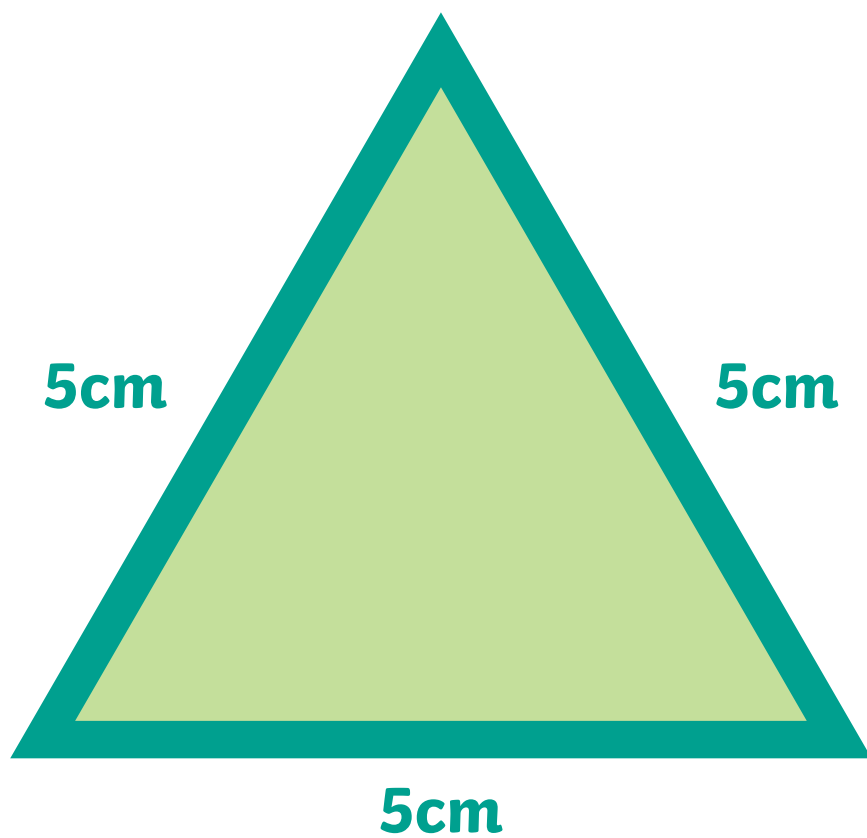
$$\begin{aligned}\text{area} &= \frac{1}{2} \times (\text{base} \times \text{height}) \\ \frac{1}{2} \times (9 \times 10) &= 45\text{m}^2\end{aligned}$$



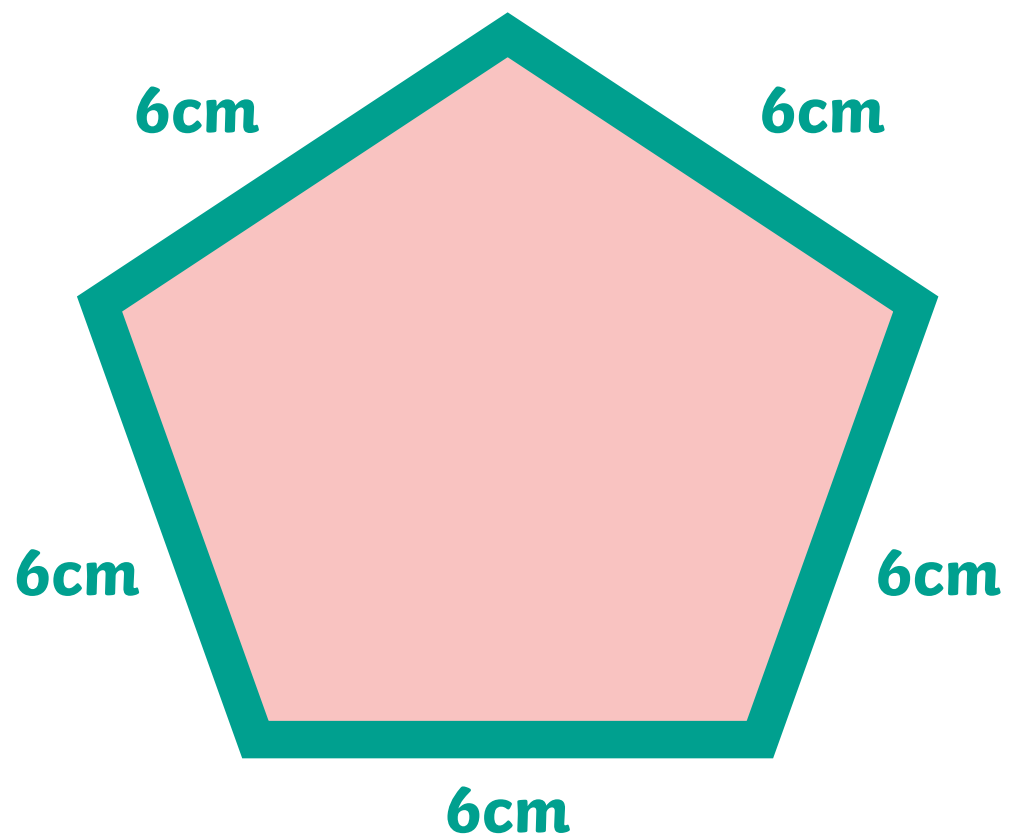
$$\begin{aligned}\text{area} &= \text{length} \times \text{width} \\ 4 \times 7 &= 28\text{m}^2\end{aligned}$$

Perimeter

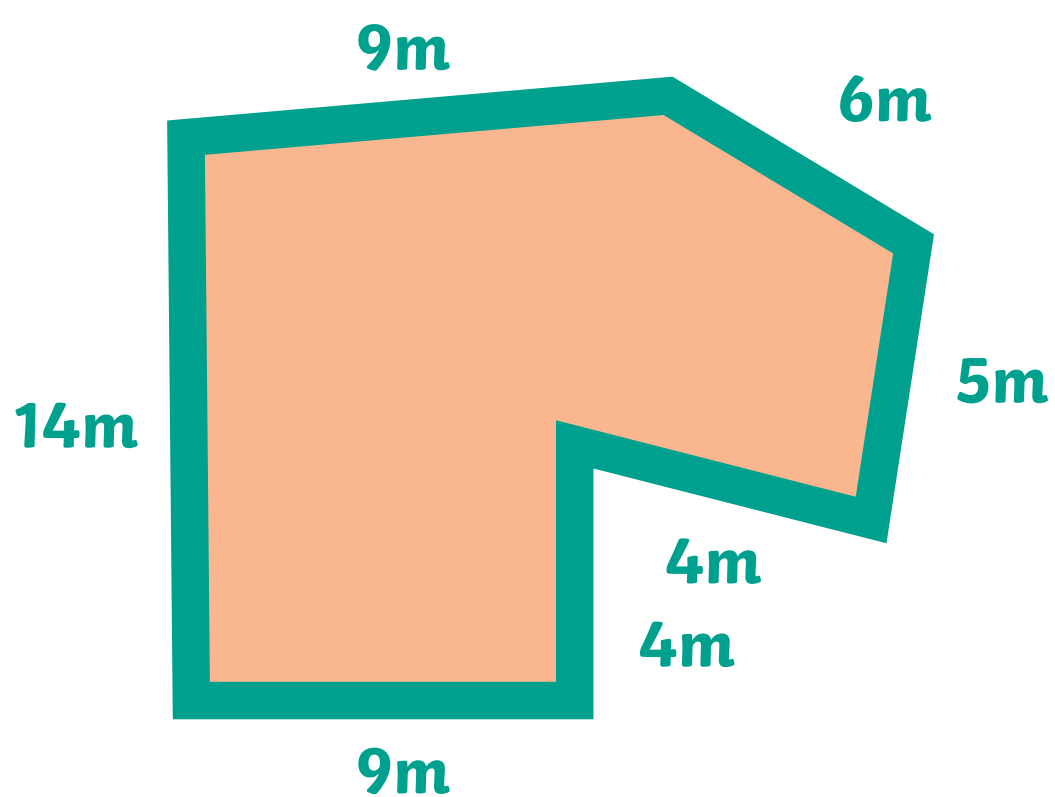
The distance around the edge of a shape.
Add the lengths of all the sides for each shape.



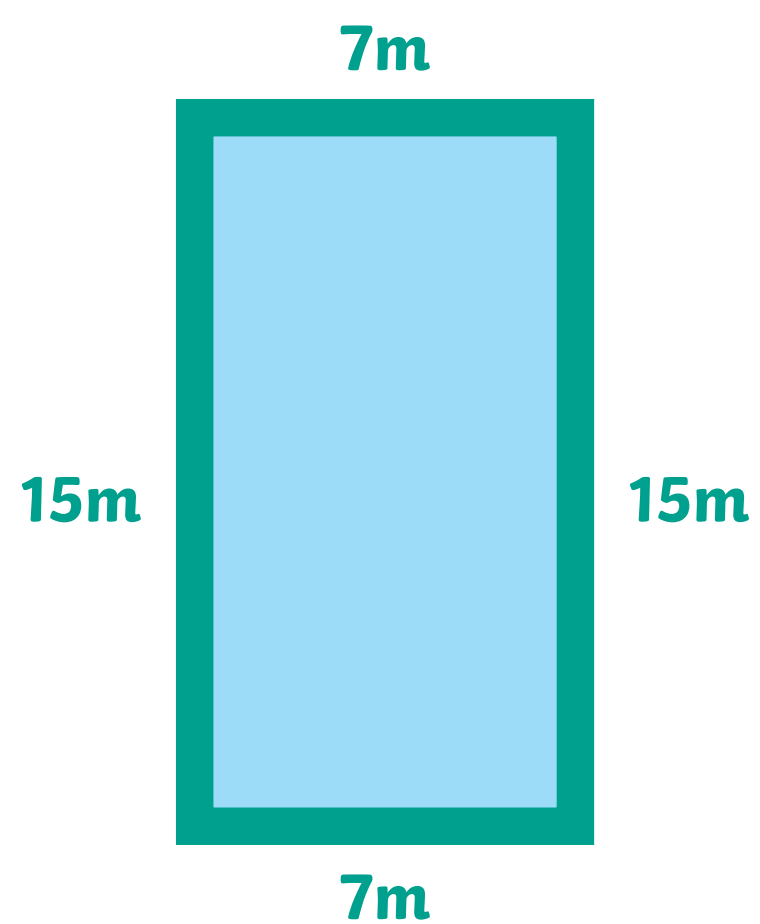
$$5 + 5 + 5 = 15\text{cm}$$



$$6 + 6 + 6 + 6 + 6 = 30\text{cm}$$



$$14 + 9 + 6 + 5 + 4 + 4 + 9 = 51\text{m}$$



$$15 + 7 + 15 + 7 = 44\text{m}$$