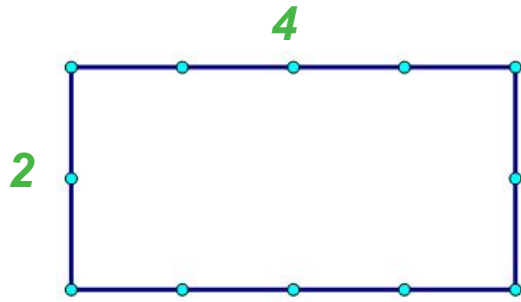


Year 7 - Perimeter

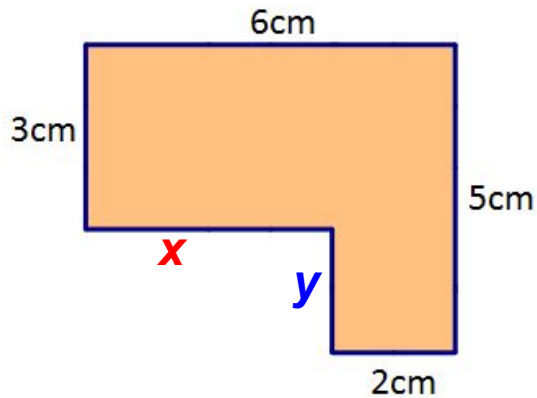
HM:548-552



Perimeter: sum of all the sides.
It is measured in units of length



$$2 + 4 + 2 + 4 = \underline{12 \text{ units}}$$



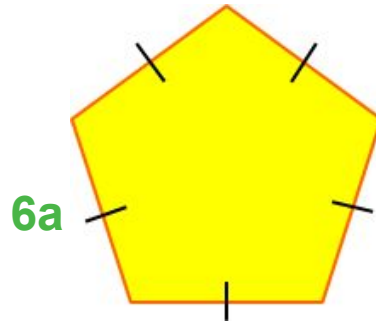
METHOD

Work out missing lengths
Check one for each side

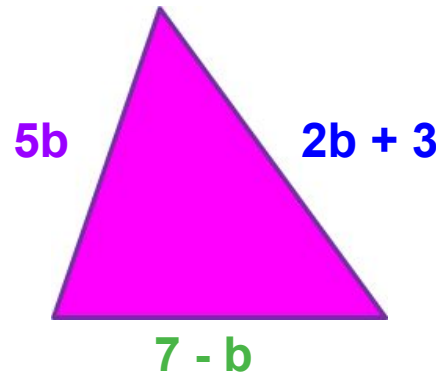
$$6 - 2 = 4\text{cm} \quad 5 - 3 = 2\text{cm}$$

Add lengths together

$$6 + 5 + 2 + 2 + 4 + 3 = \underline{22\text{cm}}$$



The bar shows lines are of equal length. There are 5 sides
Hence: $6a \times 5 = \underline{30a}$



METHOD

Collect like terms

$$\begin{aligned} & (5b + 2b) + 3 + 7 - b \\ & = \underline{6b + 10} \end{aligned}$$

Definitions / Key terms

Perimeter	The Distance around the edge of a 2D shape	
Quadrilateral	A 2d shape with 4 sides and 4 angles	
Square	4 right angles 4 equal sides 2 sets parallel	
Rectangle	4 right angles 2 sets equal sides 2 sets parallel sides	
Rhombus	2 sets equal angles 4 equal sides 2 sets parallel sides	
Parallelogram	2 sets equal angles 2 sets equal sides 2 sets parallel sides	
Trapezium	1 set parallel sides	
Kite	1 sets equal angles 2 sets equal sides No parallel sides	
Compound Shape	A 2D shape made up of smaller simple shapes	