
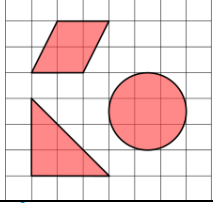

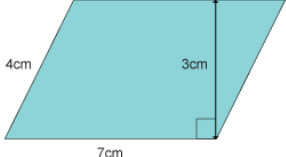
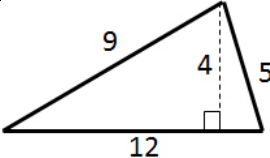
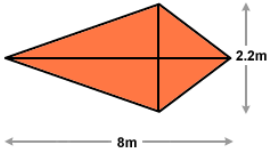
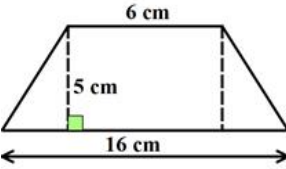


## KS3 Unit 24 Perimeter and Area

Topic/Skill	Definition/Tips	Example
1. Perimeter	The <b>total distance</b> around the <b>outside</b> of a shape.  Units include: <i>mm, cm, m</i> etc.	<p style="text-align: center;">8 cm</p>  <p style="text-align: center;">5 cm</p> <p style="text-align: center;"><math>P = 8 + 5 + 8 + 5 = 26cm</math></p>
2. Area	The amount of <b>space inside</b> a shape.  Units include: <i>mm<sup>2</sup>, cm<sup>2</sup>, m<sup>2</sup></i>	
3. Area of a Rectangle	<b>Length x Width</b>	 <p style="text-align: right;"><math>A = 36cm^2</math></p>
4. Area of a Parallelogram	<b>Base x Perpendicular Height</b> Not the slant height.	 <p style="text-align: right;"><math>A = 21cm^2</math></p>
5. Area of a Triangle	<b>Base x Height ÷ 2</b>	 <p style="text-align: right;"><math>A = 24cm^2</math></p>
6. Area of a Kite	Split in to <b>two triangles</b> and use the method above.	 <p style="text-align: right;"><math>A = 8.8m^2</math></p>
7. Area of a Trapezium	$\frac{(a + b)}{2} \times h$ <p>“Half the sum of the parallel side, times the height between them. That is how you calculate the area of a trapezium”</p>	 <p style="text-align: right;"><math>A = 55cm^2</math></p>
8. Compound Shape	A shape made up of a <b>combination of other known shapes</b> put together.	