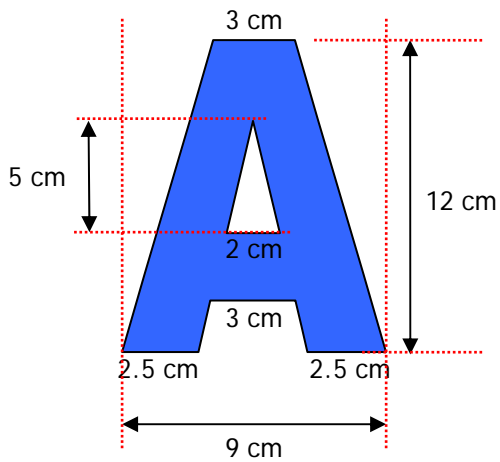


AREA AND VOLUME

Name:

Assessment Criteria: Calculate lengths, areas and volumes in plane shapes and right prisms

1. Find the area of the A-shape



_____ cm²

2. A cylinder has a volume of 330 cm^3 , and the diameter of its circular cross-section is 7 cm. What is the height of the cylinder?

_____ cm

3. A cuboid has a surface area of 60 cm^2 . What could the lengths of the cuboid be?

_____ , _____ , _____

4. Find a triangular prism with a volume of 24 cm^3 . Draw a diagram of your prism which clearly shows all relevant lengths.

Overall, I think my success level is:

Low High

Q	AREA AND VOLUME	😊	☹
	I can calculate the area of a rectangle, triangle, parallelogram, trapezium and circle		
	I can calculate lengths in a rectangle, triangle, parallelogram, trapezium and circle (given the area)		
	I can calculate the area of compound shapes made by combinations of rectangles, triangles, parallelograms, trapezia and/or circles		
	I can calculate the volume of a right prism (including a cuboid and a cylinder)		
	I can calculate the surface area of a right prism (including a cuboid and a cylinder)		
	I can calculate lengths in a right prism (given the volume or surface area, and including a cuboid and a cylinder)		
	<i>I can solve increasingly demanding problems and evaluate solutions</i>		

I need to practise ...