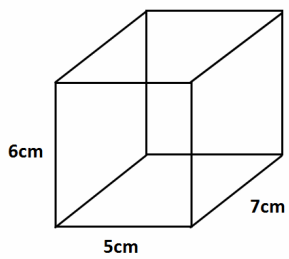
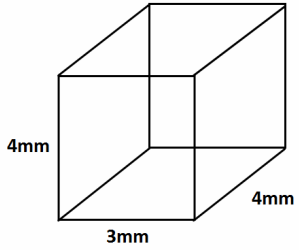
(14) Volume & Surface Area Name_____

Please note: In an exam you are given the formula for the volume of a prism - see inside the front page!

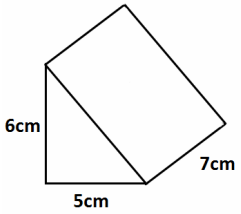
If the dimensions of a shape are in cm then the surface are is measured in_____ and the volume is measured in_____

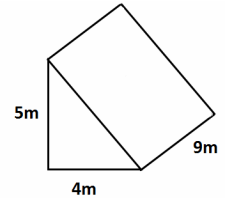
Find (1) The surface area and (2) the volume of the cuboids below. (3) Explain why they are not cubes.



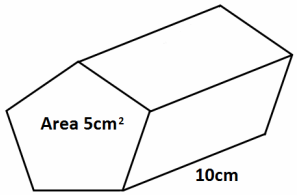


Find (1) The surface area and (2) the volume of the triangular prisms below:

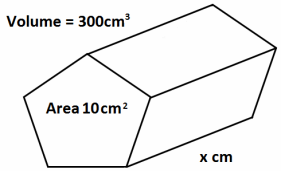




Find the volume of the shape below:

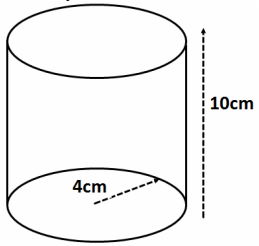


Find the value of x:



A cube has side lengths of 6cm. Find the surface area and the volume of the cube. (a sketch may help)

The area of a circle is $A = \pi r^2$ (A is the area, r is the radius) Find the volume of the cylinder below:



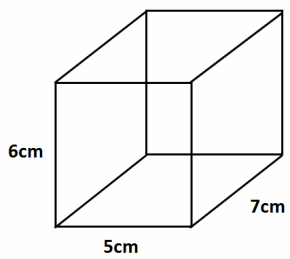
Repeat the last question. This time using 5mm for the radius and 8mm for the height.

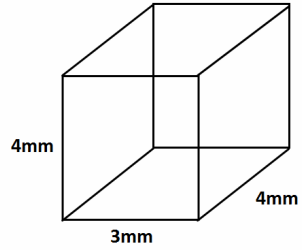
(14) Volume & Surface Area Name_____

Please note: In an exam you are given the formula for the volume of a prism- see inside the front page!

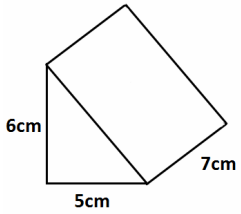
If the dimensions of a shape are in cm then the surface are is measured in_____ and the volume is measured in_____

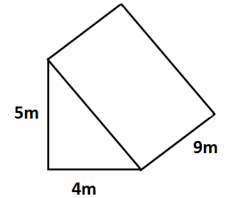
Find (1) The surface area and (2) the volume of the cuboids below. (3) Explain why they are not cubes.





Find (1) The surface area and (2) the volume of the triangular prisms below:



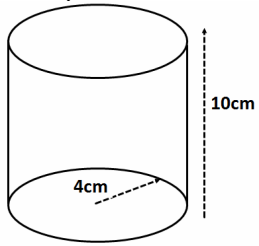


Find the volume of the shape below

Find the value of x:

A cube has side lengths of 6cm. Find the surface area and the volume of the cube. (a sketch may help)

The area of a circle is $A = \pi r^2$ (A is the area, r is the radius) Find the volume of the cylinder below:



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(14) Volume & Surface Area Name_____

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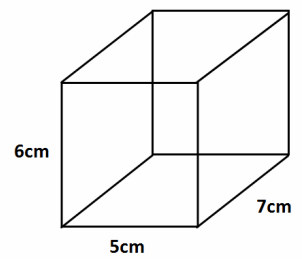

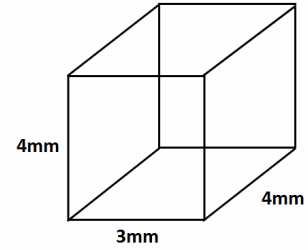

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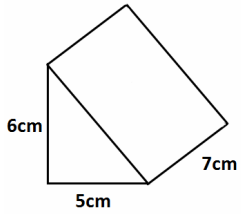
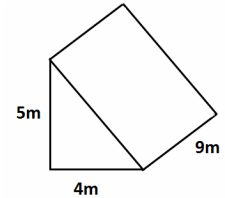
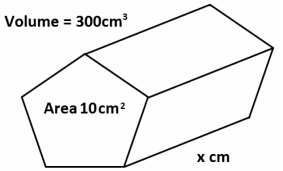




Find the volume of the shape below:

Find the value of x:



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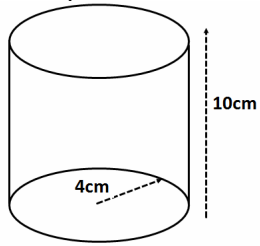

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