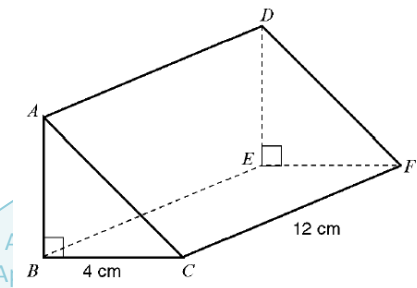
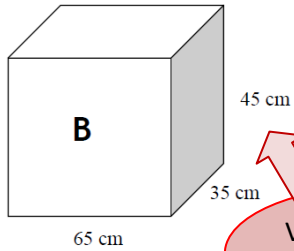
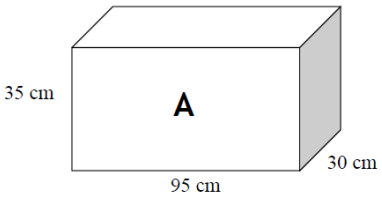
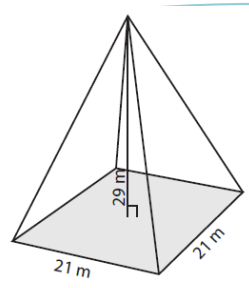


Finley fills both fish tanks with water.

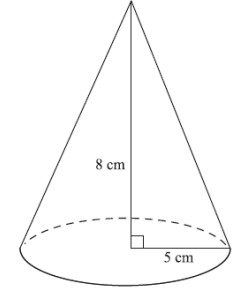
Which fish tank holds the most water?
You must show all your calculations.



$BC = 4 \text{ cm}$, $CF = 12 \text{ cm}$ and angle $ABC = 90^\circ$.
The volume of the triangular prism is 84 cm^3 .
Work out the length of the side AB of the prism.

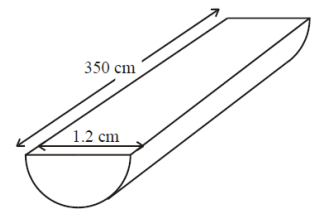


Volume = _____



A cone has a base radius of 5 cm and a vertical height of 8 cm.

Calculate the volume of the cone.
Give your answer correct to 3 significant figures.



The diagram shows a piece of wood.
The piece of wood is a prism of length 350 cm.
The cross-section of the prism is a semi-circle with diameter 1.2 cm.

Calculate the volume of the piece of wood.
Give your answer correct to 3 significant figures.

VOLUME

Volume = _____

Volume = _____

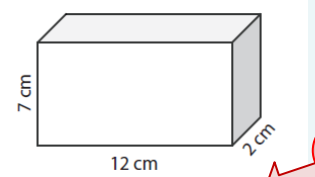
Volume = _____

Volume = _____

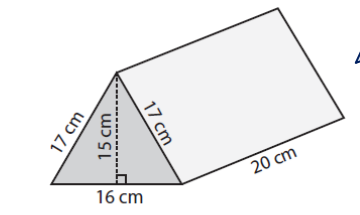
Volume = _____

Volume = _____

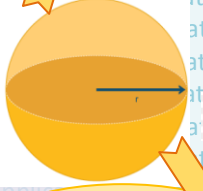
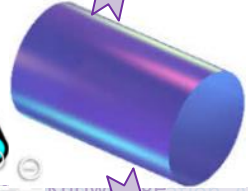
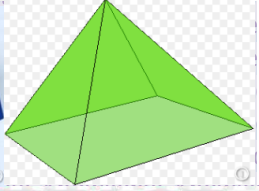
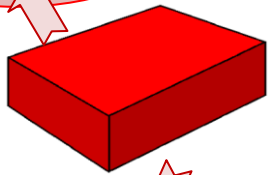
Volume = _____



Surface Area = _____



Surface Area = _____



SURFACE AREA

Surface area = _____

Surface area = _____

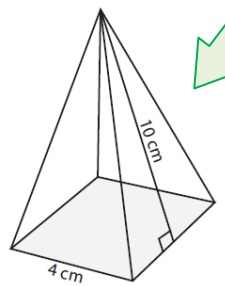
Surface area = _____

Surface area = _____

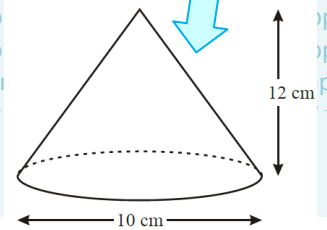
Surface area = _____

Surface area = _____

Surface area = _____

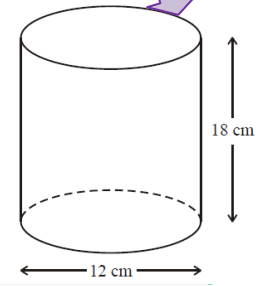


Surface Area = _____



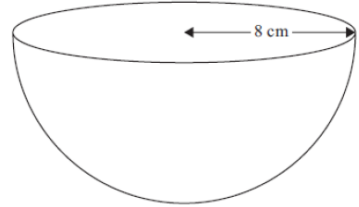
The diagram represents a cone.
The height of the cone is 12 cm.
The diameter of the base of the cone is 10 cm.

Calculate the curved surface area of the cone.



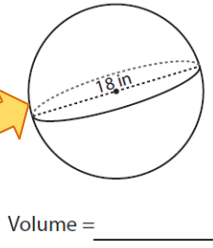
The diagram shows a solid cylinder.
The cylinder has a diameter of 12 cm and a height of 18 cm.

Calculate the **total** surface area of the cylinder.
Give your answer correct to 3 significant figures.



The diagram shows a solid hemisphere of radius 8 cm.

Work out the total surface area of the hemisphere.
Give your answer correct to 3 significant figures.



Volume = _____

NAME _____