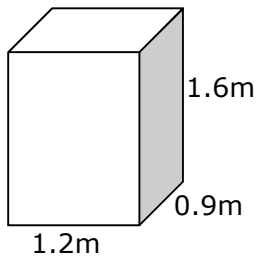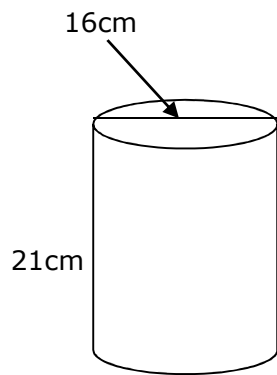# Volume Notes

To find the volume of any 3D Object, you find the _____ of the _____ and _____ it to the _____.

1. Determine the volume of the following:
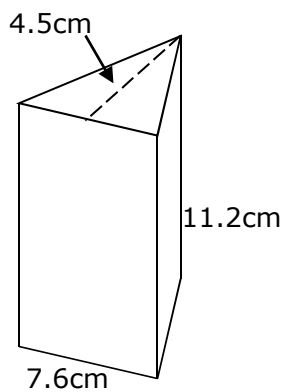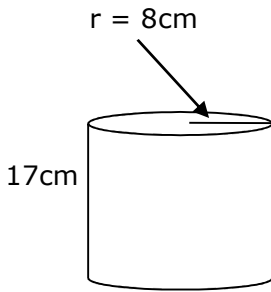
a.

1.6m
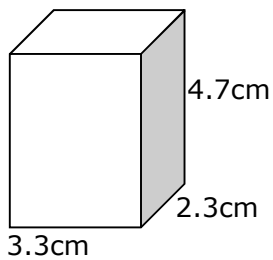
0.9m

1.2m

b.

16cm

21cm

c.

4.5cm

11.2cm

7.6cm

2. Determine the contents of the following if it is only $\frac{3}{8}$ full:

r = 8cm

17cm

3. Determine the volume of the empty space in the object below if it is $\frac{1}{6}$ full:

4.7cm

2.3cm

3.3cm

4. Determine the height of a triangular prism if it's volume is $230.64m^3$ and the area of it's base is $19.22cm^2$:

5. If a rectangular prism has a volume of $1,080cm^3$ and a width of $12cm$ and a height of $10cm$, then what is the length?