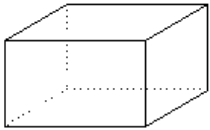


# Surface Area Formulas

To find Surface Area, add up the area of all the faces.

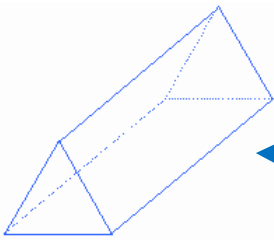


Rectangular Prism



Cube

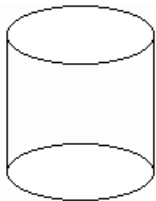
← 6 Faces (F, B, L, R, T, B)



Triangular Prism

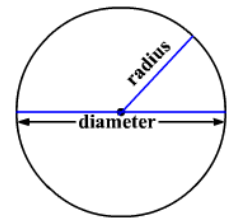
← 5 Faces (F, B, L, R, B)

- Area of Square =  $L \times W$
- Area of Rectangle =  $L \times W$
- Area of Triangle =  $b \times h \div 2$



Cylinder

3 Faces (T, B, Middle)



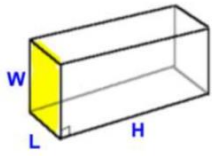
Surface area of cylinders =  $\pi \times r^2 + \pi \times r^2 + \pi \times d \times h$

Or

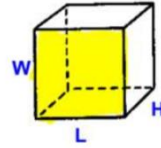
$$2 \pi r^2 + \pi d h$$

\*  $r = \text{radius}$        $d = \text{diameter}$

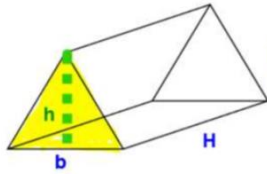
# Volume Formulas



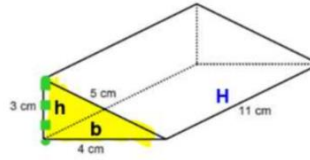
$$L \times W \times H$$



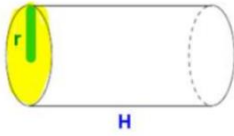
$$L \times W \times H$$



$$b \times h \div 2 \times H$$



$$b \times h \div 2 \times H$$



$$\pi \times r^2 \times H$$