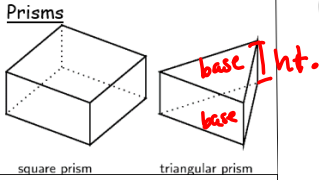



Volume: number of cubic units needed to fill an object (even if it is round)

Prisms

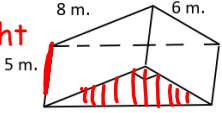


Parts:
 Bases: two congruent parallel polygons
 Height: distance between the bases
 Lateral faces: rectangles

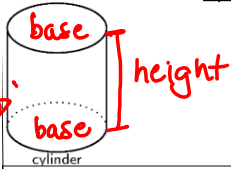
Volume Formula: $V = \text{area of the Base} \times \text{Height}$

$B = 8$  $A_{\Delta} = \frac{bh}{2}$
 $A_{\Delta} = \frac{6 \cdot 8}{2} = \frac{48}{2} = 24$
 $V = 24 \cdot 5 = 120 \text{ Cu. m.}$

$A_{\square} = bh$



Cylinders



Parts:
 Bases: two congruent circles
 Height: distance between the bases
 Lateral surface:

Volume Formula: $V = \text{area of the base} \times \text{height}$
 $V = \pi r^2 h$
 $V = \pi (3)^2 (8)$
 $V = \pi (9)(8) = 72\pi \text{ cu. cm.}$

