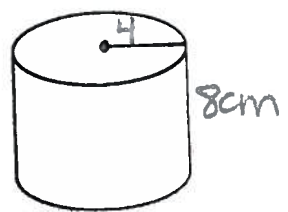


Volume of a Cylinder



$$V = \pi r^2 h$$

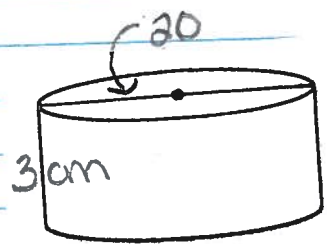
$$= (3.14)(4)(4)(8)$$

$$V = 401.92 \text{ cm}^3$$

units are Cubed!

Examples

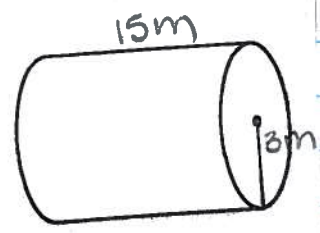
- * inside a coffee can
- * glue in glue stick
- * juice in a glass
- * paint in a can



$$V = \pi r^2 h$$

$$= (3.14)(10)(10)(3)$$

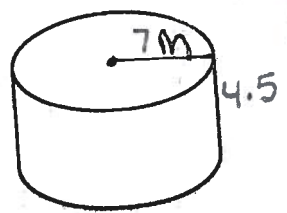
$$V = 942 \text{ cm}^3$$



$$V = \pi r^2 h$$

$$(3.14)(3)(3)(15)$$

$$V = 423.9 \text{ m}^3$$



$$V = \pi r^2 h$$

$$= (3.14)(7)(7)(4.5)$$

$$V = 692.37 \text{ m}^3$$