

Area And Volume

- Area of a Rectangle/Square

$$A = L \times w$$

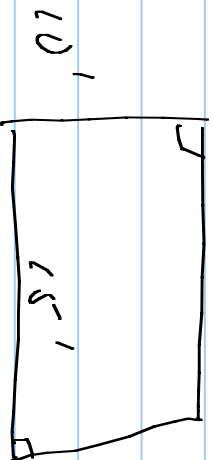
- Volume of a Square Based Prism (Box)

$$V = L \times w \times h$$

* THE TRACK WILL BE THE CONVERSION *

CONVERT 1ST !!!

THE AREA OF $\text{IN} \text{M}^2$



SOLD

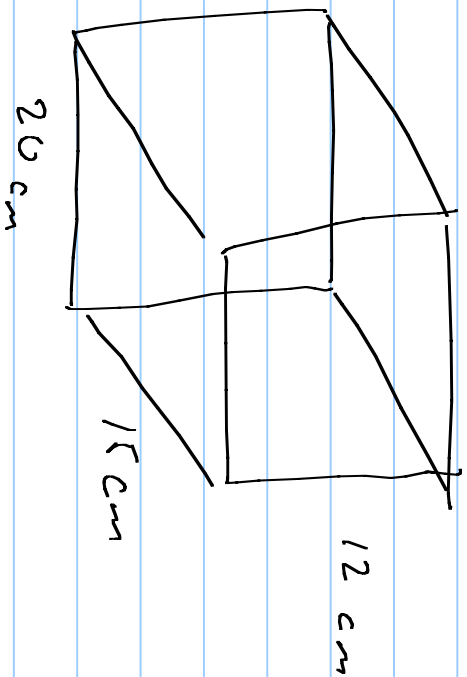
$$10 \times 30.48 = 304.8 \text{ cm} = 3.048 \text{ m}$$

$$15 \times 30.48 = 457.2 \text{ cm} = 4.572 \text{ m}$$

$$A = 3.048 \times 4.572$$

$$A = 13.94 \text{ m}^2$$

IG



How many cubic ft.?

$$\frac{1}{30.48} = \frac{x}{12} \quad x = 12 \times 1 \div 30.48$$
$$x = 0.394$$

$$\textcircled{B} \quad 15 \div 30.48 = 0.492$$

$$\textcircled{C} \quad 20 \div 30.48 = 0.656$$

$$\therefore \text{Volume} = 0.394 \times 0.492 \times 0.656$$
$$= 0.127 \text{ Ft}^3$$

H/W Pg 61

1-11, # 15