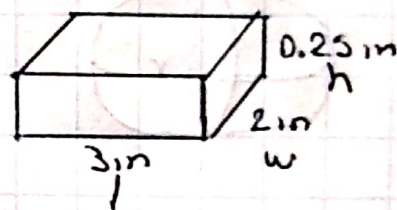
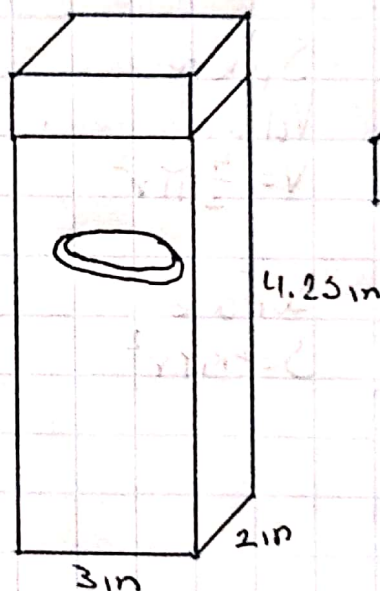
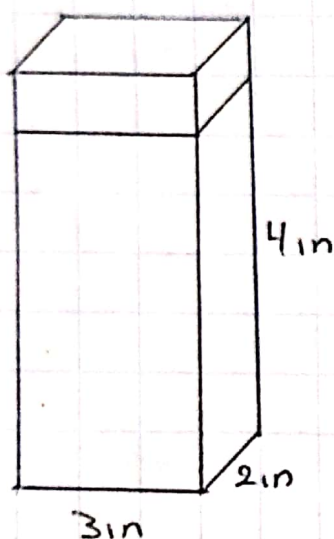
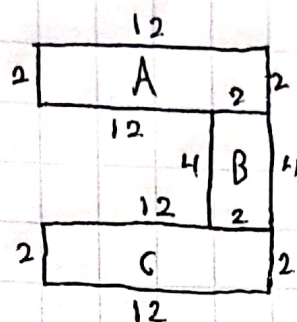
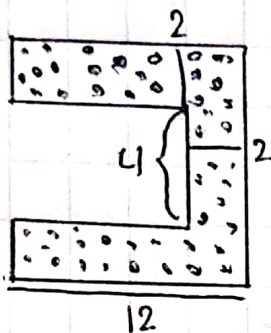


Jamie wants to know the volume of his gold ring in cubic inches. He gets a rectangular glass with a base 3 in by 2 in and fills the glass 4 in high with water. Jamie drops his gold ring in the glass and measures the new height of the water to be 4.25 in. What is the volume of Jamie's ring in cubic inches?



Rectangular solid
 $V = lwh$
 $V = 3 \times 2 \times 0.25$
 $V = 1.5 \text{ in}^3$

Find the area of the pink dots zone.



$$A = lw$$

$$A_1 = 2 \times 12$$

$$B_1 = 2 \times 4$$

$$C_1 = 2 \times 12$$

$$A_1 = 24$$

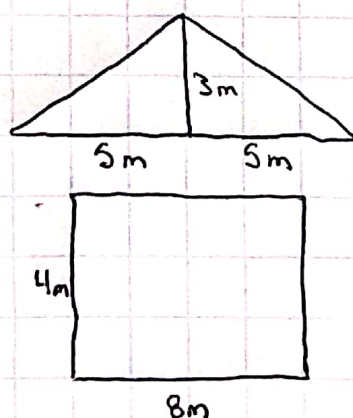
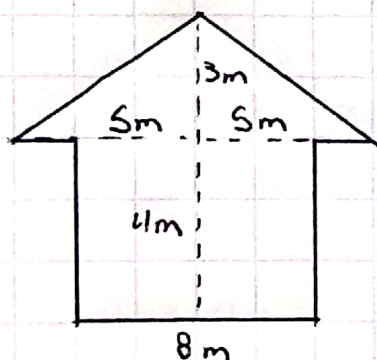
$$B_1 = 8$$

$$C_1 = 24$$

$$A_p = A_1 + B_1 + C_1 = 24 + 8 + 24$$

$$\underline{\underline{A_p = 56}}$$

Mr. Gutierrez wants to paint the front face of his house. To buy paint, he must know the area.



$$A = \frac{bh}{2}$$

$$A = \frac{10 \times 3}{2}$$

$$A = 15m^2$$

$$A = lw$$

$$A = 4 \times 8$$

$$A = 32m^2$$

$$A_h = 15m^2 + 32m^2$$

$$\underline{\underline{A_h = 47m^2}}$$