

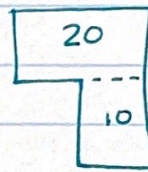
## COMPOSITE AREA

$$A = bh$$

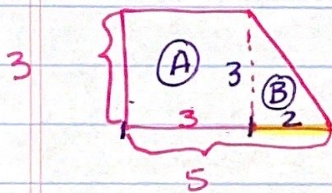
$$A = \frac{bh}{2} \quad \text{or} \quad \frac{1}{2}bh$$

DEF

COMPOSITE SHAPE: A FIGURE THAT IS MADE OF 2 OR MORE 2-DIMENSIONAL FIGURES.



$$A_T = 10 + 20 = 30 \text{ units}^2$$



$$A_A = bh$$

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

$$A_A = 3 \cdot 3$$

$$A_B = \frac{2 \cdot 3}{2}$$

$$A_A = 9 \text{ units}^2$$

$$A_B = \frac{6}{2} = 3 \text{ units}^2$$

$A_A = \text{AREA OF A}$

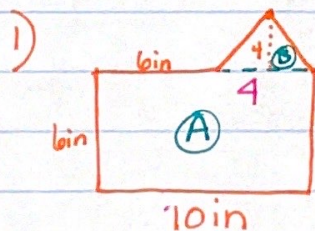
$$A_A + A_B = A_T$$

$A_B = \text{AREA OF B}$

$$9 + 3 = \boxed{12 \text{ units}^2}$$

$A_T = \text{AREA TOTAL}$

## EXAMPLES:



$$A_A = bh$$

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

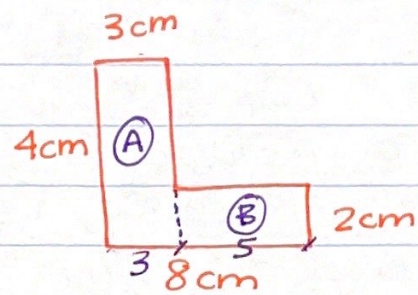
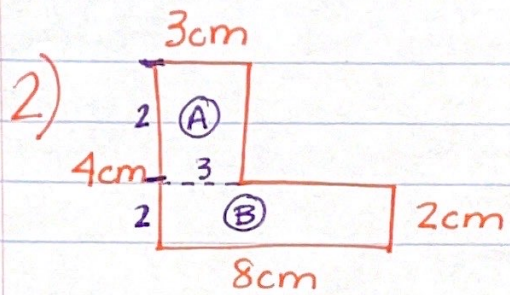
$$A_A = 10 \cdot 6$$

$$A_B = \frac{4 \cdot 4}{2}$$

$$A_A = 60 \text{ in}^2$$

$$A_B = \frac{16}{2} = 8 \text{ in}^2$$

$$60 + 8 = \boxed{68 \text{ in}^2}$$



$$A_A = bh \quad A_B = bh$$

$$A_A = 3 \cdot 2 \quad A_B = 8 \cdot 2$$

$$A_A = 6 \text{ cm}^2 \quad A_B = 16 \text{ cm}^2$$

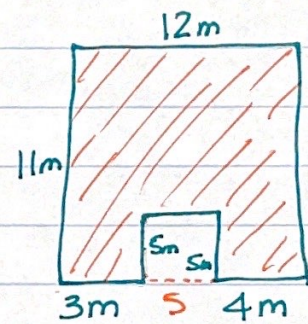
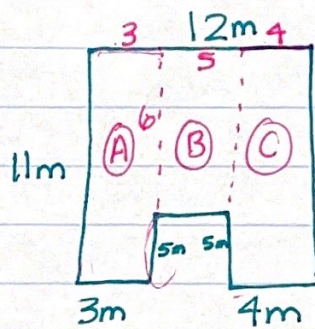
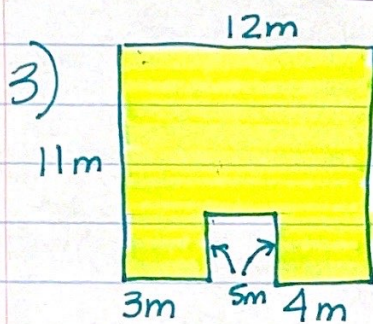
$$6 + 16 = \boxed{22 \text{ cm}^2}$$

$$A_A = bh \quad A_B = bh$$

$$A_A = 3 \cdot 4 \quad A_B = 5 \cdot 2$$

$$A_A = 12 \text{ cm}^2 \quad A_B = 10 \text{ cm}^2$$

$$12 + 10 = \boxed{22 \text{ cm}^2}$$



ADD

SUB.

$$A_A = bh$$

$$A_A = 3 \cdot 11 = 33$$

$$A_B = 5 \cdot 6 = 30$$

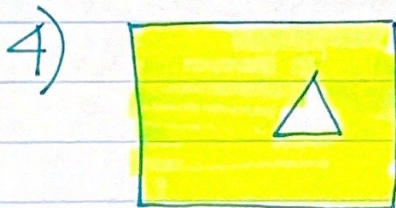
$$A_C = 4 \cdot 11 = 44$$

$$107 \text{ m}^2$$

$$A_A = 12 \cdot 11 = 132$$

$$A_B = 5 \cdot 5 = \underline{-25}$$

$$107 \text{ m}^2$$



FIND AREA OF RECTANGLE  
SUBTRACT AREA OF TRIANGLE