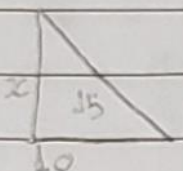


Karefa Basica


01- a) $\sqrt{400} = 20$ $6/20 = 0,3 \cdot 0,3 = 0,09 m^2$
 $\sqrt{36} = 6$

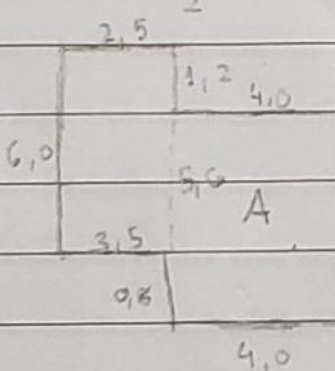
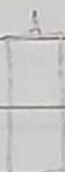
b) $0,3 + 0,3 + 0,3 + 0,3 = 1,2 m$

02- $2x^2 \rightarrow \sqrt{2} x$ (D)

03-  $10 \cdot x = 15 \rightarrow 10x = 30$
 $x = 3$ (D)

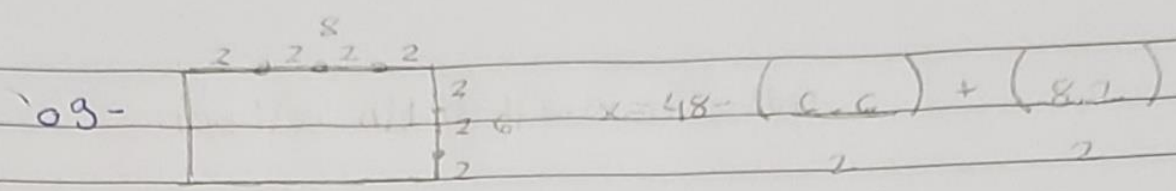
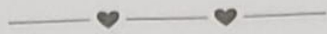
04- $4 = x, x+3 \rightarrow x^2 + 3x$

05-  $\frac{1^2 \sqrt{3}}{4} \rightarrow \frac{2^2 \sqrt{3}}{4} \rightarrow \frac{4 \sqrt{3}}{4} \rightarrow \sqrt{3}$ (B)

06-  $A = 5,6 \cdot 4,0 = 22,4 m^2$  $B = 4,8 m^2$
 $C = 2,5 \cdot 6 = 15 m^2$ $22,4 + 4,8 + 15 = 42,2 m^2$ (E)

07- $36 = \frac{(2CD + CD) \cdot H}{2}$ $36 = 3CD \rightarrow 72 = 3CD$
 $CD = 24$ (E)

08- $A = D \cdot d$ $A = 6 \cdot 2 = 12$ $A = b \cdot h \rightarrow 6 \cdot 4 = 12$ $6 \cdot 4 = 12$ (D)



$$x = 48 - (18 + 6)$$

$$x = 22 \quad (E)$$

$$10 - x' = 7 \cdot 6 = 21 \quad x'' = 21 = 10,5$$

$$AD = DE = DE = 6AD$$

$$10,5 = AD \cdot DE = 21$$

$$6AD^2 = 21 \cdot 2$$

$$AD^2 = \frac{147}{6} = \frac{49}{2} \rightarrow \sqrt{\frac{49}{2}}$$

$$AD = 7\sqrt{2} \quad (E)$$

$$11 - \frac{S_{\triangle AM}}{S_{\triangle AB}} = 1 \rightarrow \triangle AM = 1/4 S_{\triangle AB}$$

$$S_{\triangle AB} = \pi + S_{\triangle AM} = 1/4 S_{\triangle AB}$$

$$\pi = 36 - 1/4 (36)$$

$$\pi = 72m^2$$