

Pregunta 1

C MARTÍNEZ E 2L

a)

Grupo 1			Grupo 2		
Hombres	Cond	2	Hombres	conduct	6
	NO cond	4		no cond	5
Mujeres	cond	2	Mujeres	conduct	4
	No cond	2		no cond	5
total: 10			total: 20		

total c = 14
m conduct = 4

$$G1 = HNC + MNC = 6 \quad 6 \cdot \frac{1}{3} = 2$$

$$G2 = MC + HC = 10$$

$$G1) HC + MC = 4 \quad MC = 4 \cdot 0,5 = 2$$

$$G2) HNC = \frac{1}{4} \cdot 20 = 5$$

$$b) \text{ total conduct} = 14 \quad 14 \rightarrow 100\% \quad x = 42,86\% \\ \Pi. \text{ conduct} = 6 \quad 6 \rightarrow x$$

$$c) \text{ total no conduct} = 16 \quad \frac{16}{14} = \frac{8}{7} \text{ proporción } 8 \text{ a } 7 \\ \text{total conduct} = 14$$

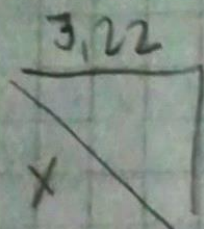
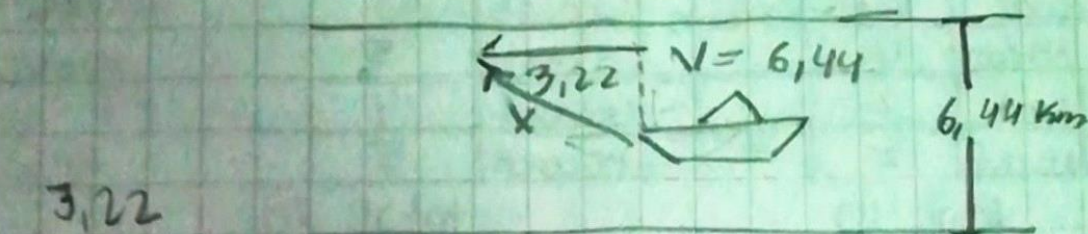
$$d) H \text{ no conduct} = 9 \quad 20 \rightarrow 100\% \quad x = 45\% \\ \text{total } G2 = 20 \quad 9 \rightarrow x$$

$$e) \Pi \text{ no conduct} = 5 \quad \frac{5}{13} \text{ R/ } 7 \text{ a } 13 \\ \Pi \text{ total} = 13$$

Pregunta 2

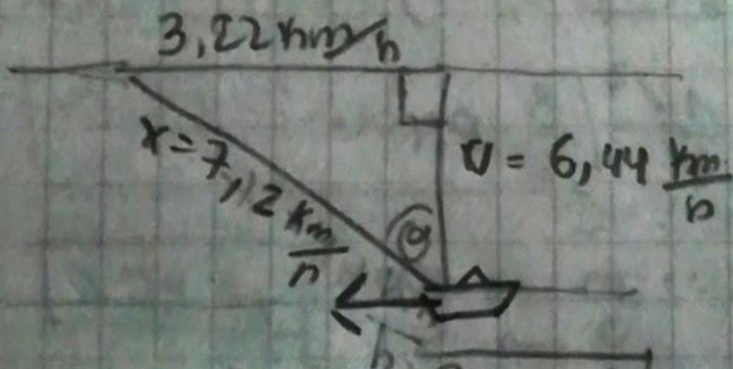
6,44 km/h en agua tranquila; corriente del río 3,22 km/h.

a)



R/ Si el bote cruzara el río se podría sacar la hip, en este caso no

b)



$$x^2 = (3,22)^2 + (6,44)^2$$

$$x^2 = \sqrt{51,842} / \sqrt{\quad}$$

$$x = 7,201 \frac{\text{km}}{\text{h}}$$

$$\cos \theta = \frac{3,22}{7,2} = 26,54^\circ$$

$$\text{by } 26,52 = \frac{y}{6,44}$$

$$y = 3,22 \text{ km}$$

R/ 6,44 km y la vel 6,44 km/h
Se tardara 1 hora en regresar por
6,44 km

$$Q \text{ Vel rio} = 3,22 \text{ km/h}$$

$$\text{Vel bate agua} = 6,44 \text{ km/h}$$

$$t = \frac{3,22}{V_b + V_r} + \frac{3,22}{V_b - V_r}$$

$$t = \frac{3,22}{6,44 + 3,22} + \frac{3,22}{6,44 - 3,22}$$

$$t = \frac{3,22}{6,44 + 3,22} + \frac{3,22}{6,44 - 3,22}$$

$$t = \frac{3,22}{9,66} + \frac{3,22}{3,22}$$

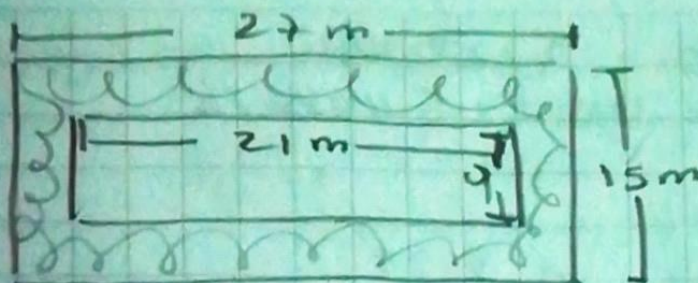
$$t = 1,3 \text{ h}$$

$$t = 1 \text{ hora y } 20 \text{ min.}$$

Región 3
 Largo 4
 Ancho 3

4L 13A
 21L X
X = 9 m

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Area de cancha = $21 \cdot 9 = 189 \text{ m}^2$

Area total = $27 \cdot 15 = 405 \text{ m}^2$

Area achurada = 405 m^2
 $- 189 \text{ m}^2$
 216 m^2

b- Calcular el área que corresponde:

R = $\frac{405}{- 189}$
 216 m^2

R/ el área pintada será 216 m^2

c- Calcular la cant. de armalte, medido en galones, respondiendo para cumplir con la solicitud

Area a pintar = 216 m^2

galones $\approx 10 \text{ m}^2$

$\frac{216 \text{ m}^2}{10 \text{ m}^2} = 21.6 \text{ galones}$

$21.6 \times 2 = 43.2 \text{ galones}$