

Felipe Anaya

2º Daga.

Pregunta 1:

Probabilidad = Frecuencia

A)

G1 10 personas				G2 20 personas			
Mujeres		Hombres		Mujeres		Hombres	
4		6		9			
Conduc	No Conduc	Conduc	No Conduc	Conduc	No Conduc	Conduc	No Conduc
2	2	2	4	4	5	6	3

~~A)~~

B)

$$\frac{14}{6} \rightarrow \frac{100\%}{x} = \frac{6 \cdot 100}{14} = \boxed{42,85\%}$$

C)

$$\begin{array}{l} \text{No conduc} = 16 \\ \text{Conduc} = 14 \end{array} \quad \frac{16}{14} \div 2 = \boxed{\frac{8}{7}}$$

d)

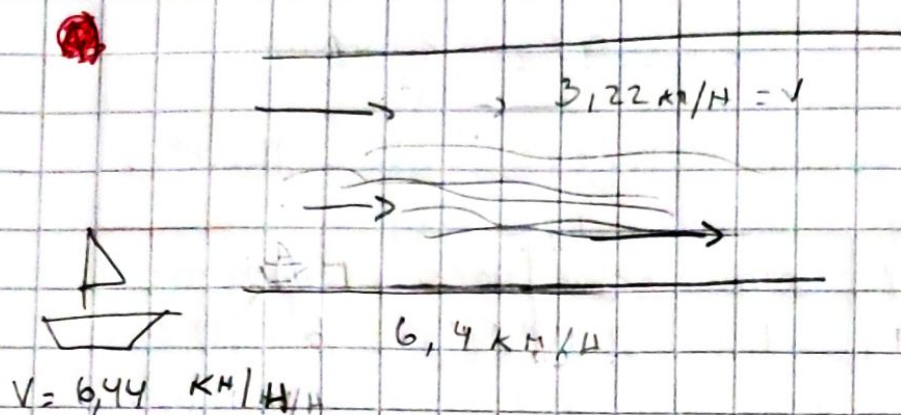
$$\begin{array}{l} \text{H no Con} = 9 \\ 62 = 20 \end{array} \quad \begin{array}{l} 20 \rightarrow 100\% \\ 9 \rightarrow x \end{array} \quad \frac{9 \cdot 100}{20} = \boxed{45\%}$$

e)

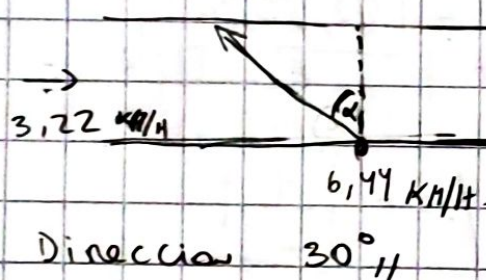
$$\begin{array}{l} \text{M no Conduc} = 7 \\ \text{M Conduc} = 13 \end{array} \quad \boxed{\frac{7}{13}}$$

Pregunta 2.

Fig. 1.0
Pregunta

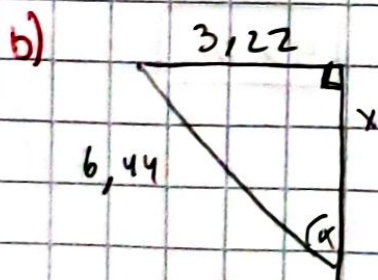


A) $3,22 \text{ km/h} \rightarrow$ corriente
 $6,44 \text{ km/h} \rightarrow$ bote



$$\sin \alpha = \frac{3,22}{6,44}$$

$$\alpha = 30^\circ$$



$$h^2 = c_a^2 + c_b^2$$

$$\sqrt{(6,44)^2 - (3,22)^2} = x$$

$$\sqrt{31,11} = x$$

$$5,58 = x$$

$$t = \frac{6,44}{5,58} = 1,15 \text{ Horas}$$

$$c) \quad V = 3,22 + 6,44 = 9,66 \text{ Km/A}$$

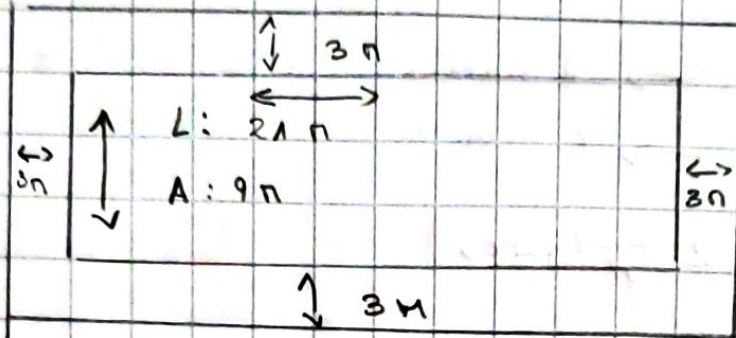
$$T_{\text{ida}} = \frac{3,22}{9,66} = 0,33 \text{ Horas}$$

$$T_{\text{vuelta}} = \frac{3,22}{3,22} = 1 \text{ Hora}$$

$$\text{Tiempo TOTAL} = 0,33 + 1 = 1,33 \text{ Horas}$$

Pregunta 3.

a)



L: Largo A: Ancho

$$\frac{L}{A} = \frac{7}{3}$$

$$3L = 7A$$

$$L = \frac{7A}{3}$$

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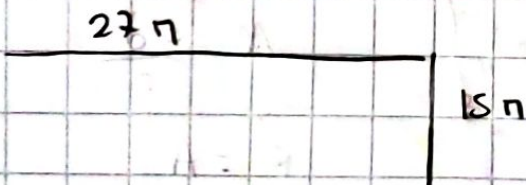
$$21 \cdot 3 = 7A$$

$$\frac{63}{7} = A$$

$$A = 9$$

$$1 \text{ galon} \rightarrow 10 \text{ m}^2$$

b)



$$A = 15 \cdot 27$$

$$A = 405 \text{ m}^2$$

$$A_{\text{centro}} = 21 \cdot 9 = 189 \text{ m}^2$$

$$A_{\text{rea pintar}} = 405 - 189 = \boxed{216 \text{ m}^2} \text{ Area que se pinta}$$

c) $1 \text{ galon} \rightarrow 10 \pi^2 \rightarrow 1 \text{ TANO}$

$$\begin{array}{l} 1 \text{ galon} \rightarrow 1 \text{ TANO} \\ x \rightarrow 2 \text{ TANO} \end{array}$$

2 galones

$$\begin{array}{l} 1 \text{ galon} \rightarrow 10 \pi^2 \\ x \rightarrow 216 \pi^2 \end{array} \quad \frac{1 \cdot 216}{10} = 21,6 \text{ galones}$$

$$x = 21,6 \text{ galones}$$

$$\text{TANOS} \rightarrow 43,2 \text{ galones} \quad 43,2 \cdot 2 \text{ TANOS} = 43,2$$

Se necesitan 43,2 galones de estirpe