Felipe Anaya 2°DASA.

Pregunta 1:

Proporción = fracción

A)

61 10 Personas				62 20 Personas.			
Mujeres 4		Hombres 6		Mujeres 9		Hombres	
Condu	No cond	Condu	No cond	Conduc	No Co	Conduc	No Co
2	2	2	4	4	5	6	3

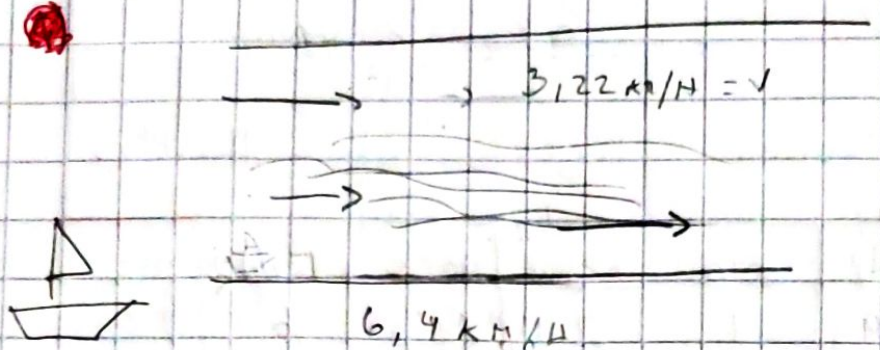
B) $14 \longrightarrow 100\% \quad 6 \longrightarrow x \quad = \frac{6 \cdot 100}{14} = \boxed{42,85\ \%}$

c) No conduc : 16 Condc : 14 $\frac{16}{14} /:2 = \boxed{\frac{8}{7}}$

d) H No Con : 9 62 : 20 $20 \longrightarrow 100\% \quad 9 \longrightarrow x \quad \frac{9 \cdot 100}{20} = \boxed{45\ \%}$

e) M no cond : 7 M conduc : 13 $\boxed{\frac{7}{13}}$

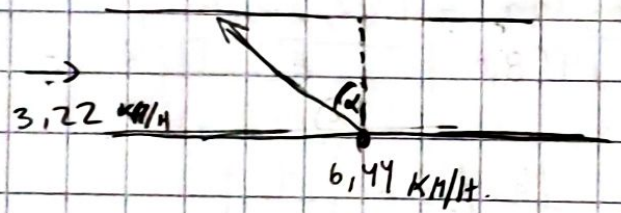
Pregunta 2.



V = 6,44 KM/H

A) 3,22 KM/H → corriente

6,44 KM/H → bote

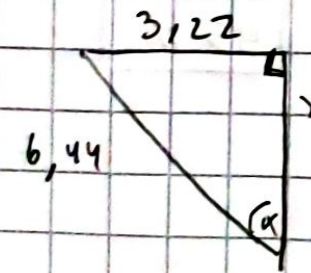


$\text{Sen}\alpha = \frac{3,22}{6,44}$

$\alpha = 30°$

Dirección 30° //

b)



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

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

$\sqrt{31,11} = X$

$5,58 = X$

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

c) $V = 3,22 + 6,44 = 9,66$ Km/h

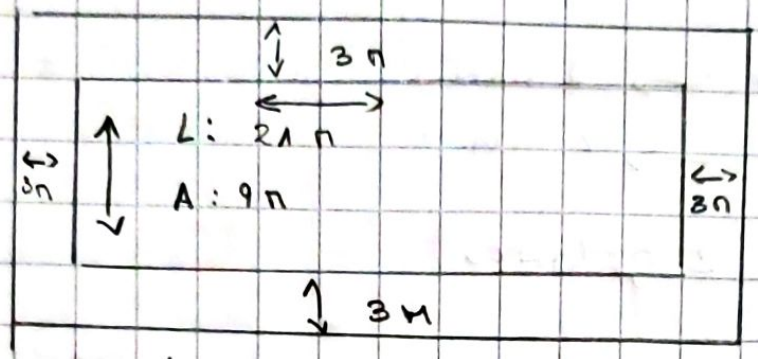
$T_{ida} = \frac{3,22}{9,66} = 0,33$ Horas

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

Tiempo Total $= 0,33 + 1 = 1,33$ Horas

Pregunta 3.

a)



L: Largo A = Ancho

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

$$3L = 7A$$

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

$$3L = 7A$$

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

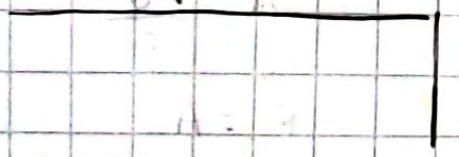
$$21 \cdot 3 = 7A$$

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

$$A = 9$$

1 galón → 10 m²

b)



$A = 15 \cdot 27$

$A = 405\ m^2$

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

Área pintar = 405 − 189 = **216 m²** Área que se pintará

c) 1 GALÓN → 10 m² → 1 MANO

1 GALÓN → 1 MANO
X → 2 MANO

2 GALONES

1 GALÓN → 10 m²
X → 216 m²

$\frac{1 \cdot 216}{10} = 21,6$ GALONES

X = 21,6 GALONES

MANOS → 43,2 GALONES . 43,2 · 2 MANOS = 43,2

SE NECESITAN 43,2 GALONES DE ESTUCHE