Nombre: Constanza Vargas Ossa

Curso: 2° Ancla

PREGUNTA N° 1

1

a)

①	conductores	NO conduc.
Hombres	2	4
Mujeres	2	2
	4	6

10

2

②	conducto.	No con.
Hombres	6	5
Mujeres	4	5
	10	10

20

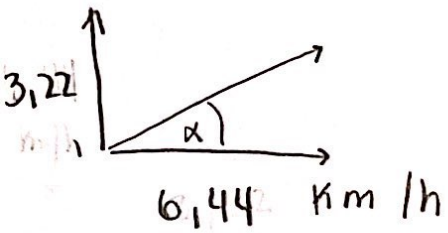
b) $\frac{6}{14} = 42,85\ \%$

c) $\frac{16}{14} = \frac{8}{7}$

d) $\frac{9}{20} = 45\ \%$

e) $\frac{7}{13}$

PREGUNTA N°2



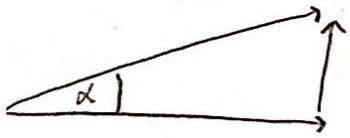
$6,44^2 + 3,22^2 = X^2$

$51,842 = X$

$7,20 = X$

a) $\text{arcotg} \dfrac{3,22}{6,44} = 26,56°$

b)



$tg(26,56°) = \dfrac{co}{ca}$

$tg(26,56° \cdot 6,44) = co$

$3,22 \text{ Km} = co$

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

$51,842 = x^2$

$7,2 = X$

$t = \dfrac{d}{V} = \dfrac{7,2 \text{ Km}}{7,2 \dfrac{\text{Km}}{h}} = 1 \text{ h}$

c) río abajo = $V_b + V_c$

río arriba = $V_b - V_c$

$$t = \frac{d}{V}$$

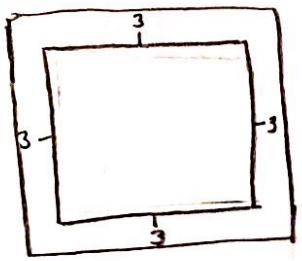
$$t = \frac{3{,}22\ km}{6{,}44\ \frac{km}{h} + 3{,}22\ \frac{km}{h}} + \frac{3{,}22\ km}{6{,}44\ \frac{km}{h} - 3{,}22\ \frac{km}{h}}$$

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

$$t = \frac{4}{3} = 1{,}33\ h$$

PREGUNTA Nº 3

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



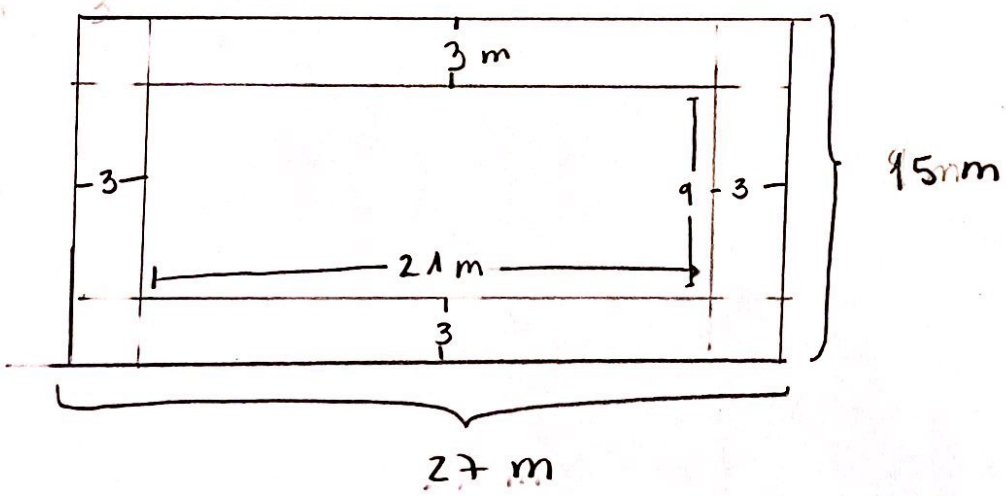
1 galón → 10 m^2

2 manos

$L = 21$ m

$\frac{21}{A} = \frac{7}{3} \longrightarrow A = \frac{21}{\frac{7}{3}} = 9$

a)



b) Área cancha total = 27 m · 15 m
+ 3 m
= 405 m^2

Área cancha normal = 21 m · 9 m
= 189 m^2

Área que se necesita pintar = 405 m^2 − 189 m^2
= 216 m^2

c) $216\ m^2 : 10\ m^2 = 21,6 \longrightarrow$ galones para 1 mano

$21,6 \cdot 2 = 43,2 \longrightarrow$ galones para 2 manos