

Presenta N°1

$\frac{1.6}{3}$ Rodrigo Arangua

	♀ C	♀ NC	♂ C	♂ NC	C	NC
Grupo 1	2	4	2	2	4	6
Grupo 2	6	$\frac{1}{4}$ grupo 1 5	4	5	10	10
total	8	9	6	7	14	16

$$20 = 20$$

$$20:4 = 5$$

$$2 \cdot 91 = 92$$

$$2 \cdot 10 = 20$$

b) $\frac{6}{14} \cdot 100 = 42,8\%$

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

d) $\frac{9}{20} \cdot 100 = 45\%$

e) $\frac{7}{13} \cdot 100 = 53,8\%$

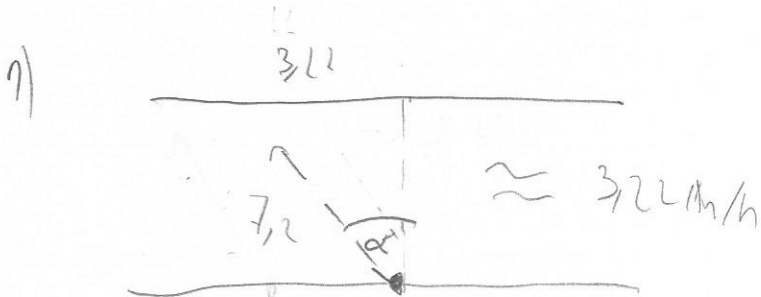
Pregunta N° 2

Rodrigo Acuña

$$V_b = 6,44 \text{ km/h}$$

$$V_c = 3,22 \text{ km/h}$$

$$h_{ip} = \sqrt{(6,44)^2 + (3,22)^2} = 7,2$$



$$\sin \alpha = \frac{\text{cat op}}{h_{ip}} = \frac{3,22}{7,2} \quad \sin \alpha = 0,44$$
$$\alpha = 26^\circ$$

26° río arriba

b)

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

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

$$t = \frac{7,2}{6,44} = 1,11 \text{ horas}$$

c)

$$\frac{3,22 \text{ km}}{(6,44 + 3,22)} + \frac{3,22}{(6,44 - 3,22)} = t$$
$$\frac{3,22}{9,66} + \frac{3,22}{3,22} = t$$

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

Problema N° 3

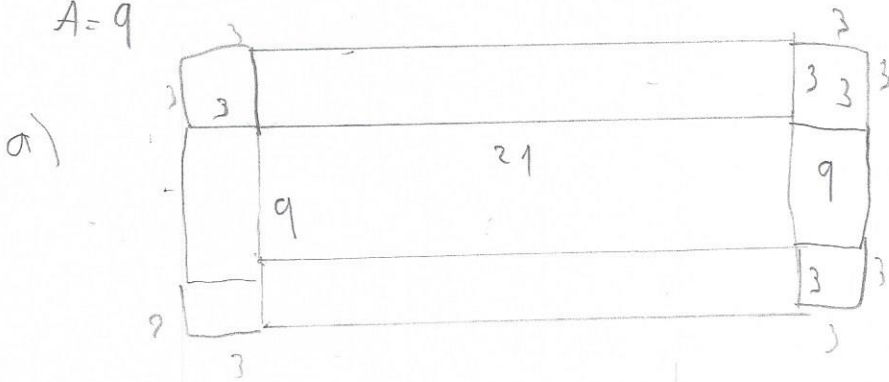
Rolando Arancibia

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

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

$$3 \cdot 21 = 7A$$

$$A = 9$$



$$b) 2(21 \cdot 3) + 2(9 \cdot 3) = 126 + 54 = 180 + 9 \cdot 4 = 216$$

$$c) \begin{array}{l} 19 \rightarrow 10 \text{ m}^2 \rightarrow 1 \text{ mano} \\ X \rightarrow 216 \text{ m}^2 \rightarrow 2 \text{ manos} \end{array}$$

$$216 \rightarrow 1 \text{ mano}$$

$$X \rightarrow 2 \text{ manos}$$

$$43,2 \rightarrow 2 \text{ manos}$$

Se necesitan 43,2 galones