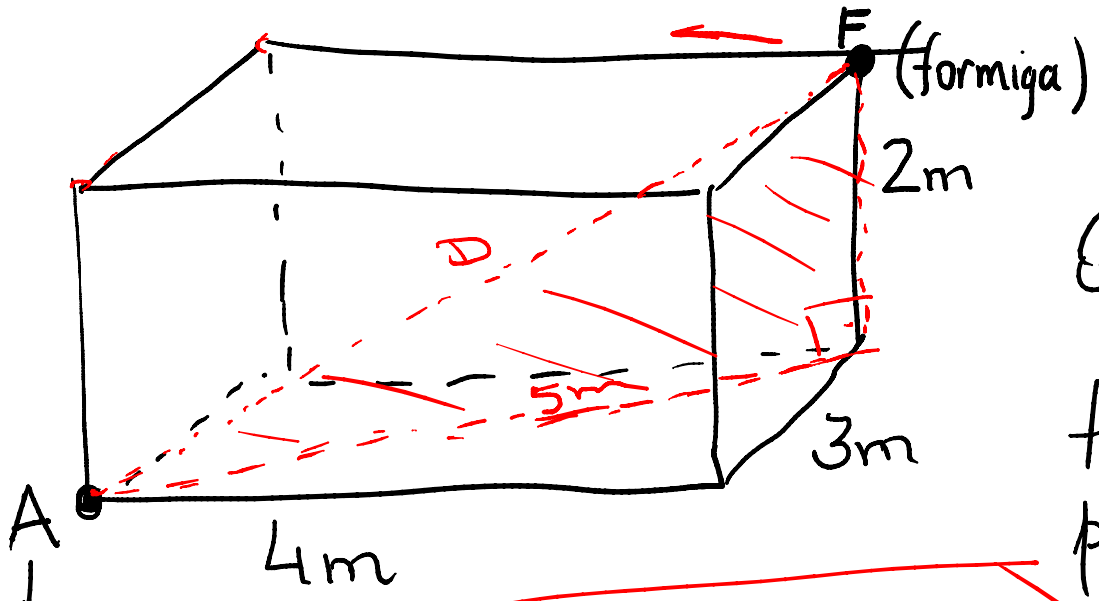
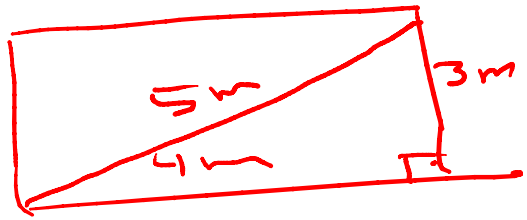




Qual a menor distância que a formiga deve percorrer para alcançar o açúcar?

Concorrentes:

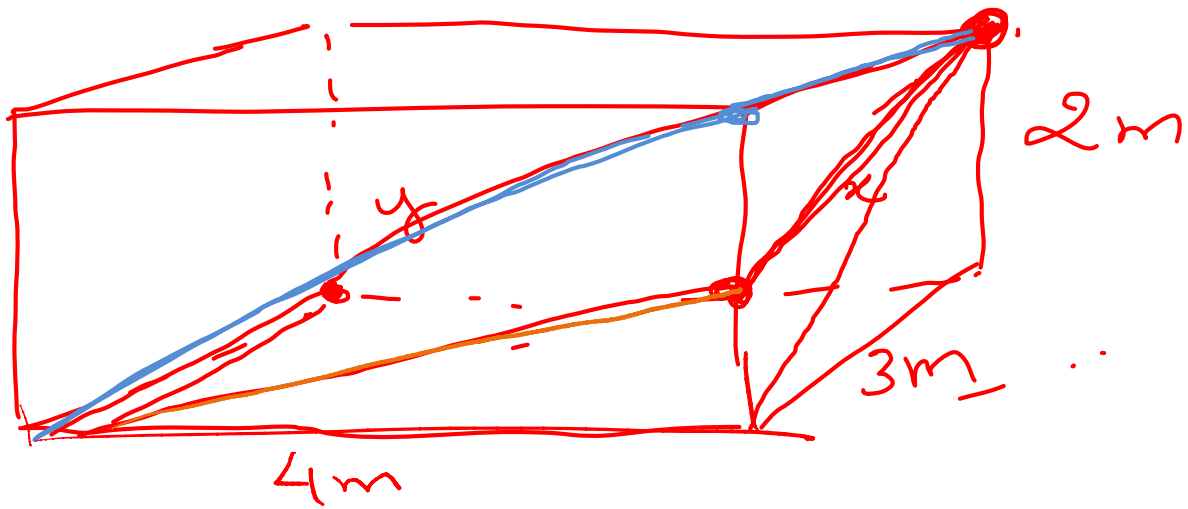
$D^2 = 2^2 + 5^2$

$D^2 = 4 + 25$

$D = \sqrt{29}\ m \cong 5{,}385\ m$ //

} ANULADA POIS FORMIGA NÃO VOA...

NATÁLIA: 7m (desce 2m e atravessa pelo chão na diagonal)



Pedro:

$x^2 = 2^2 + 3^2$

$x^2 = 4 + 9$

$x = \sqrt{13} \cong 3{,}6m$

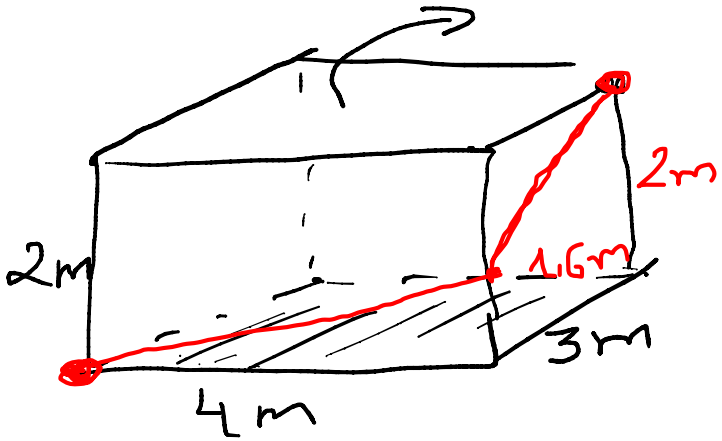
$3{,}6 + 4 = 7{,}6m$

Cadu $3m + y = 7{,}472m$

$y^2 = 4^2 + 2^2$

$y^2 = 16 + 4 = 20$

$y = \sqrt{20} \cong 4{,}472$



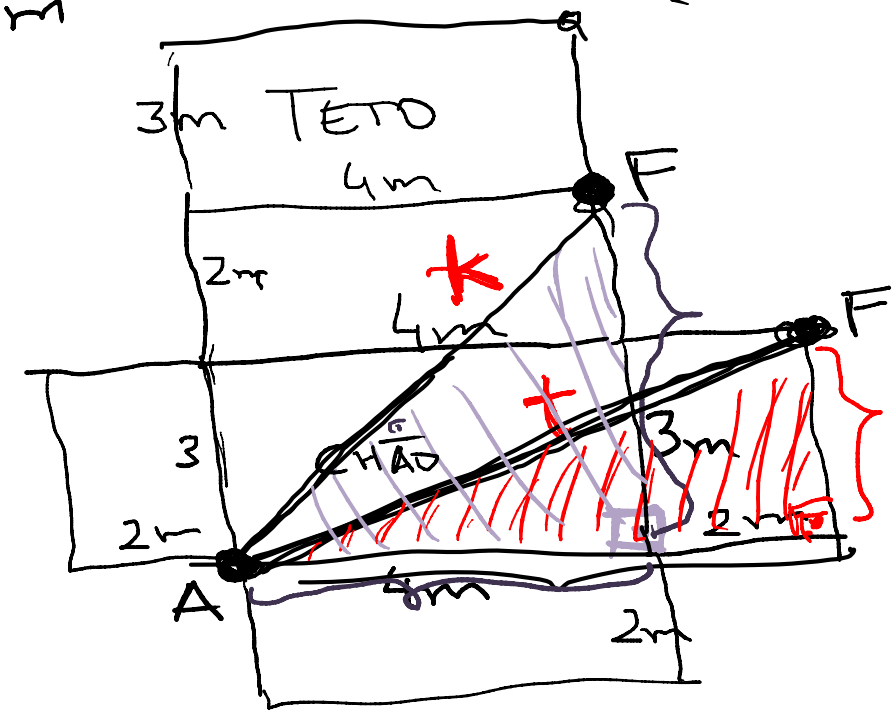
$k^2 = 4^2 + 5^2$

$k^2 = 16 + 25$

$k = \sqrt{41}$

$\boxed{k \cong 6{,}4\,m}$

Planificação



$t^2 = 3^2 + 6^2$

$t^2 = 9 + 36$

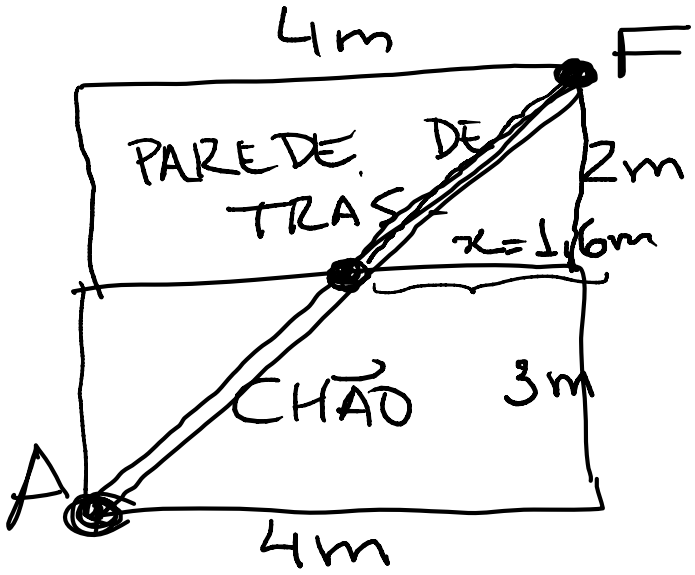
$t^2 = 45$

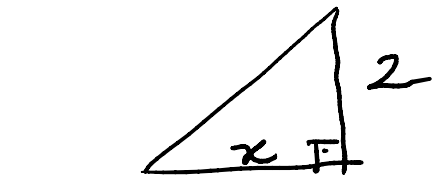
$t = \sqrt{45}$

$t = \sqrt{9 \cdot 5}$

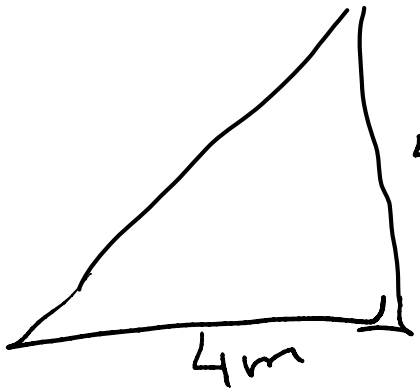
$t = 3\sqrt{5}$

$\boxed{t = 6{,}7\,m}$



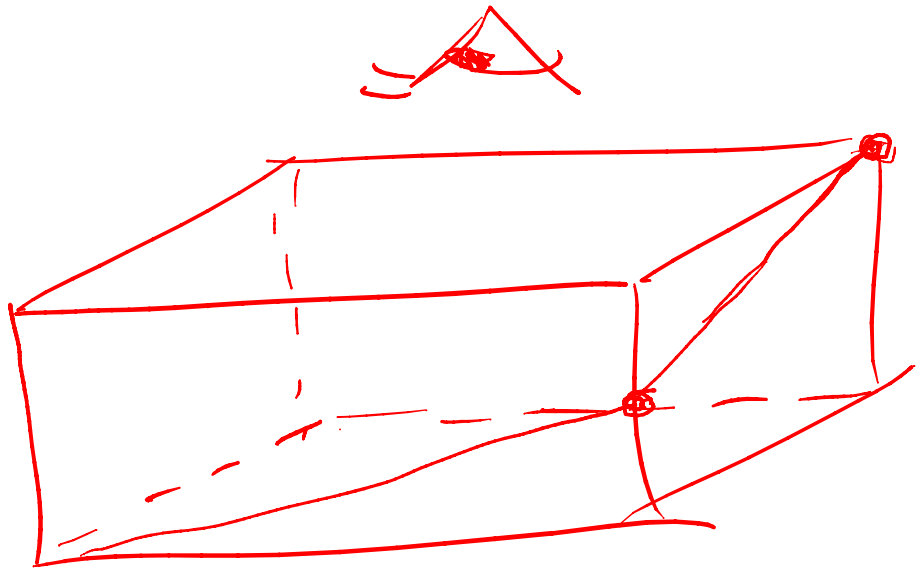


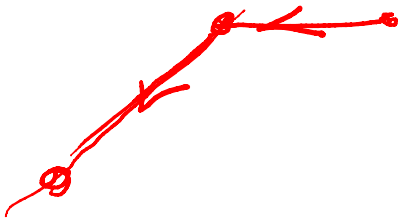
$$\frac{2}{x} = \frac{5}{4}$$



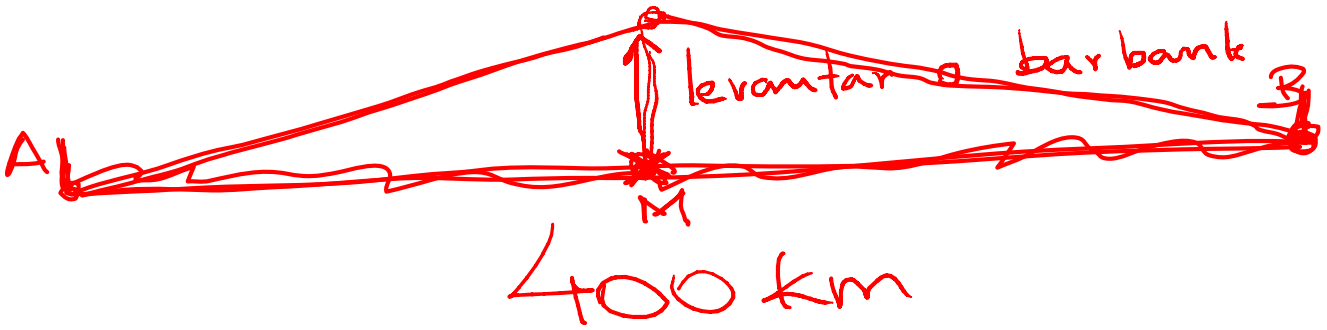
$$5x = 8$$

$$x = 1{,}6\text{m}$$





1 DESAFIO:



400km + 1m