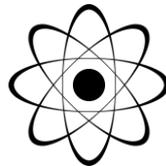


Captain's Fight 3

FPT 2019
February 8-9th





1) Question

2) Solution

You have 2 minutes to solve the following question :

“

What time, in second, would a typical snail* take to cover France with its slime ?

*Typical snail : *Helix pomatia* aka « escargot de Bourgogne »



1) Question

2) Solution

❁ France surface, $\sigma_F = 643\,801 \text{ km}^2$

❁ Snail width, $l_s \simeq 2.0 \text{ cm}$

❁ Snail speed, $v_s \simeq 1.3 \text{ cm.s}^{-1}$

$$T = \frac{\sigma_F}{v_s l_s} = \frac{643\,801 \times 10^6}{2.0 \times 1.3 \times 10^{-4}} = \boxed{2.5 \times 10^{15} \text{ s}}$$