

Answer on Question #45912 – Math – Algebra

If you're going 1 mph, how far would you get in a minute?

Solution.



We are going with a speed 1 m/h:

$$V = 1 \frac{mi}{h}$$

Every hour contains 60 minutes, so our speed is equal to:

$$V = 1 \frac{mi}{h} = 1 \frac{mi}{60 \cdot min} = \frac{1}{60} \frac{mi}{min}$$

So the distance we will cover in 1 minute is equal to:

$$S = V \cdot t = \frac{1}{60} \frac{mi}{min} \cdot 1 min = \frac{1}{60} mi$$

This is basically the answer but if you want you can convert this number in other units. For example

$$1mi = 1,609 km$$

$$S = \frac{1}{60} mi = \frac{1}{60} \cdot 1,609 km \approx 26.8 km$$

Answer:

$$S = \frac{1}{60} mi \approx 26.8 km$$