Directly proportional instructions

definition:

Directly Proportional means:

when one value increases, another increases at the same rate ↑ ↑

or when one value decreases, another decreases at the same rate ↓↓

example:

sale products and earn money

sale of the same product goes up, earn money goes up

sale of the same product goes down, earn money goes down

calculate:

A car travels 70 miles in 2 hours.

How far would it travel in 5 hours?

1. step: proportion

: 4 hours   -   200 miles
* 5 hours   -   x miles

2. step: which proportion?

↑ hours ↑ more miles = directly proportional

3. step: formula

$$x = \frac{200 * 5}{4}$$

x = 250 miles

4. step: answer

It would travel 250 miles.