

Check Homework

Car

60 km/h

a) $t = 6.0 \text{ hr}$
 $d = 31.0 \text{ km}$
 $v = ?$

b) $t = 6.0 \text{ hr}$
 $d = 85 \text{ km}$
 $v = ?$

Truck

50 km/h

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

$$v = \frac{31.0 \text{ km}}{6.0 \text{ hr}}$$

$$v = 5.2 \text{ km/hr}$$

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

$$v = \frac{85 \text{ km}}{6.0 \text{ hr}}$$

$$v = 14 \text{ km/h}$$

Example:

Johnny is travelling in a car at an average speed of 85.0 km/h.
How long will it take him to travel a distance of 218 km?

$$v = 85.0 \text{ km/h}$$

$$d = 218 \text{ km}$$

$$t = ?$$

$$\frac{v}{1} = \frac{d}{t}$$

$$\frac{\cancel{v} \times t}{\cancel{v}} = \frac{d}{v}$$

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

$$t = \frac{218 \text{ km}}{85.0 \text{ km/h}}$$

$$t = 2.56 \text{ h}$$

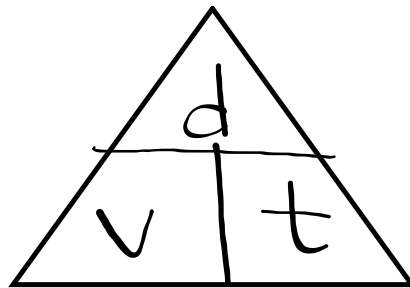
$$v = \frac{d}{t}$$

$$85.0 \text{ km/h} = \frac{218 \text{ km}}{t}$$

$$(85.0 \text{ km/h})t = 218 \text{ km}$$

$$t = \frac{218 \text{ km}}{85.0 \text{ km/h}}$$

$$t = 2.56 \text{ h}$$



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

Homework

p. 358 #3c-7a (Omit 5)

Attachments

pg 349 3,4,6,7,9 answers.notebook