

Constant Speed.

speed remains the same over a period of time.

Standard Symbols for speed.

distance - d

time - t

speed - v

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

Δ
delta =
change
in.

Mar 25-12:48 PM

① If two hikers walk the T.C.T. for 6.0h one day, and cover 31 km, what was their average speed.

② If 3 bikers ride on the T.C.T. for 6.0h one day and cover 85 km what is their average speed?

③ Jo walked for 2.1 h along a portion of the T.C.T. at 3.6 km/h what distance did she travel?

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① If two hikers walk the T.C.T. for 6.0h one day, and cover 31 Km, what was their average speed.

$$V = ?$$

$$d = 31 \text{ Km}$$

$$t = 6.0 \text{ h}$$



$$V = \frac{d}{t} \quad 2 \text{ SD.}$$

$$= \frac{31 \text{ Km}}{6.0 \text{ h}} \quad 2 \text{ SD.}$$

$$= 5.166666666$$

With correct significant digits = $5.2 \frac{\text{Km}}{\text{h}}$

Mar 25-1:02 PM

② If 3 bikers ride on the T.C.T. for 6.0h one day and cover 85 Km, what is average speed?

$$S = ? \quad 2 \text{ SD.}$$

$$d = 85 \text{ Km} \quad 2 \text{ SD.}$$

$$t = 6.0 \text{ h} \quad 2 \text{ SD.}$$



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

$$V = \frac{85 \text{ Km}}{6.0 \text{ h}}$$

$$= 14.167$$

$$= 14 \frac{\text{Km}}{\text{h}}$$

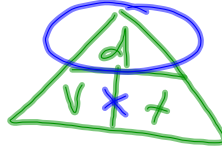
Mar 25-1:06 PM

③ Jo walked for 2.1 h along a portion of the T.C.T. at 3.6 km/h. What distance did she travel?

$$v = 3.6 \text{ km/h}$$

$$d = ?$$

$$t = 2.1 \text{ h}$$



$$d = v \times t$$

$$= 3.6 \text{ km} \times 2.1 \text{ h}$$

$$= 7.56 \text{ km}$$

$$= 7.6 \text{ km}$$

with correct
significant
digits

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What length of time would it take a hiker to travel a total distance of 25.0 km at an average speed of 5.2 km/h

Mar 25-1:11 PM