

Speed.



1.  $d = 20\text{ m}$   
 $t = 5\text{ s}$   
 $v = ?$

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

$$v = \frac{20\text{ m}}{5\text{ s}}$$

$$v = 4\text{ m/s}$$

I would travel at a velocity of 4 meters per second.

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2.  $d = 800\text{ m}$   
 $t = 2\text{ min.}$   
 $v = ?$



conversion  $\frac{1}{60}$  change units.

other types. 2 minutes = 120 seconds.  
 60 sec. in 1 min.

$\rightarrow \text{km} \rightarrow \text{m}$   
 $1\text{ km} = 1000\text{ m}$

$\text{hrs} \rightarrow \text{min} \rightarrow \text{s.}$   
 $1\text{ hr} = 60\text{ min} = 3600$



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2.  $d = 800 \text{ m.}$   
 $t = 2 \text{ min} \rightarrow 120 \text{ s}$   
 $v = ?$

$$v = \frac{800 \text{ m.}}{120 \text{ s.}}$$

Significant  
Digits.

$$v = 6.667$$
$$v = 6.7 \text{ with s.D.}$$

3.  $d = 70 \text{ km} = 70\,000 \text{ m}$        $1 \text{ km} = 1000 \text{ m}$   
 $t = 15 \text{ minutes} = 900 \text{ s}$        $(15 \times 60)$   
 $v =$

$$v = \frac{d}{t} = \frac{70000 \text{ m}}{900 \text{ s}} = 77.778 \text{ m/s}$$

80 m/s

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