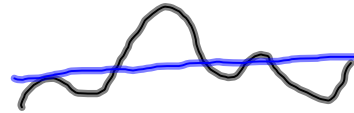


Last week:

Speed

Distance

The 5 steps



Displacement:

The shortest distance between where something starts and where it ends up.



Velocity measures how quickly something moves - but is only concerned with displacement, not distance.

velocity = displacement \div time

$$v = d \div t$$

$$d = v \times t$$

$$t = d \div v$$

If you know	You can find	By using	Units
displacement (d) time (t)	velocity (v)	$v = d \div t$	$\frac{\text{meters}}{\text{second}}$ ($\frac{m}{s}$)
v, t	d	$d = v \cdot t$	meters (m)
d, v	t	$t = d \div v$	seconds (s)

Velocity Problems 1

- ①
1. $d = 11 \text{ meters}, t = 63 \text{ seconds}$
 2. v
 3. $v = d \div t$
 4. $v = 11 \text{ meters} \div 63 \text{ seconds}$
 $= 0.18$
 5. $v = 0.18$ ~~Answers~~ $\frac{\text{m}}{\text{s}}$

