

## Solving problems involving speed:

• Speed is the total distance an object moves in a certain amount of time

•  $S = \frac{d}{t}$  (units required for answer)

• units of speed =  $\frac{\text{units of distance}}{\text{units of time}}$

Optimus Prime drives 12 blocks in 17 seconds. What is his speed?

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

$$S = \frac{12}{17} = 0.7 \frac{\text{blocks}}{\text{second}}$$