

Name: \_\_\_\_\_

Assignment Code: \_\_\_\_\_

Period: \_\_\_\_\_

## Practice

### Step 1: Triangle

$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$	$\text{Distance} = \text{Speed} \times \text{Time}$	$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$
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**Step 2:** What is the question asking for?

**Step 3:** Apply the formula

**Step 4:** Don't forget the **unit**!

1. What distance could a red tailed hawk travel if it were flying at 17 m/s for 600 seconds?

*Distance = Speed x Time*

*17 m/s x 600 = **10,200 meters***

2. What is the average velocity of a car traveling for .25 hours on highway 85 North for a distance of 15 miles?

*Velocity = Speed with direction*

*Speed = Distance/time => 15/.25 = 60 miles/hour*

*Velocity: 60 miles/hour **North***

3. How long would it take an F-15 Eagle Fighter jet to fly north for a distance of 400km and the jet flies at a speed of 2500 km/h? What would be the jet's velocity?

*Time = Distance/Speed*

*→ 400/2500 = 0.16 hours*

*Velocity: 2500 km/h North*

4. Explain what is wrong with the following statement: A man walked at an average velocity of 5.2 m/s.

*The direction is missing.*