

## Physical Science (w/Mr. Menin)

### Speed: Word Problems

*Please Write Your Name Section & Date In The Upper Right Hand Corner of This Sheet.*

1. Write the equation of motion with “d”, “v”, & “t” in it here: \_\_\_\_\_
2. I run at a **speed** of 5 m/s for a **time** of 8 seconds. What **distance** do I travel?
3. A woman runs a **distance** of 900 meters in a **time** of 100 seconds. What is her average **speed**?
4. A plane flies at a **speed** of 600 mph for a **distance** 3200 miles across the U.S.A. How much **time** does it take?
5. You are driving to Ohio. The **distance** is 770 miles. You estimate that, with stops, your average **speed** will be about 55 mph. How much **time** does it take?
6. Here are key words or units. Put the correct letter (a “d” or a “v” or a “t”) after each one.

How long does it take? _____	m _____
How far? _____	s _____
How fast? _____	miles _____
seconds _____	hours _____
meters _____	mph _____
m/s _____	feet _____
7. A car goes 250 miles at 55 mph. How long does it take?
8. You jog at 5.8 m/s for 18 seconds. How far do you go?
9. On a bike you ride 80 m. Your speed is 16 m/s. How long does it take?
10. How fast are you going if you go 36 meters in 53 seconds?
11. You can run at a speed of 19 ft/s for a distance of 100 feet. How long does that take?