DISTANCE, TIME, SPEED PRACTICE PROBLEMS

SPEED Speed =
$$\frac{Distance}{Time}$$

- 1. If a car travels 400m in 20 seconds how fast is it going?
- 2. If you move 50 meters in 10 seconds, what is your speed?
- 3. You arrive in my class 45 seconds after leaving math which is 90 meters away. How fast did you travel?
- 4. A plane travels 395,000 meters in 9000 seconds. What was its speed?

TIME
$$Time = \frac{Distance}{Speed}$$

- 6. How much time will it take for a bug to travel 5 meters across the floor if it is traveling at 1 m/s?
- 7. You need to get to class, 200 meters away, and you can only walk in the hallways at about 1.5 m/s. (if you run any faster, you'll be caught for running). How much time will it take to get to your class?
- 8. In a competition, an athlete threw a flying disk 139 meters through the air. While in flight, the disk traveled at an average speed of 13.0 m/s. How long did the disk remain in the air?

DISTANCE Distance = Speed x Time

- 9. How far can you get away from your little brother with the squirt gun filled with paint if you can travel at 3 m/s and you have 15s before he sees you?
- 10. How far can your little brother get if he can travel at 2.5 m/s and in 5 seconds you will discover that his squirt gun has run out of paint?
- 11. If you shout into the Grand Canyon, your voice travels at the speed of sound (340 m/s) to the bottom of the canyon and back, and you hear an echo. How deep is the Grand Canyon at a spot where you can hear your echo 5.2 seconds after you shout?