

Worksheet:  
Speed Word Problems



Name _____
Date _____
Period _____ Table _____

### Speed Machines

**Formula: Speed = Distance / Time**

Show Your Work: 1) Write formula; 2) plug-in values; 3) correct answer with units  
Round Answers to second place past decimal.

1. Nascar driver, Jeff Gordon, has a car that is one of the fastest on the circuit. It travels 600 miles in 4 hours, what is his cruising speed?



Answer: \_\_\_\_\_

2. The fastest car on Earth, a German-made *Thrust SSC*, would win every Nascar race in America. If it takes 0.5 hours (30 minutes) to travel 380 miles, what is its speed?



Answer: \_\_\_\_\_

3. The fastest train on Earth, the *TGV* from France, can travel at faster speeds than trains in the United States. During a speed test, the train traveled 800 miles in 2.5 hours. What is its speed?



Answer: \_\_\_\_\_

4. *Spirit of Australia*, a hydroplane boat, made speed records traveling 239 miles in 0.75 hours (45 minutes). What is its record-breaking speed?



Answer: \_\_\_\_\_

5. The fastest plane ever made, the *Lockheed SR71*, was able to travel 2200 miles per hour. Based on this speed, how far could it travel in:

a. 2 hours?

b. 3 hours?

C. 5 hours

**Challenge:** Out of all the machines on this worksheet, which is the fastest?

**Part II:** Use a calculator to determine how long it would take each machine to travel 60 miles? (Answers will be in minutes) (**Show Your Work**)

A. Jeff Gordon's Car = 150 miles per hour (calculated on front side)

$$60 \text{ miles} / 150 \text{ miles per hour} = 0.4 \text{ hours} \times 60 \text{ minutes} = \mathbf{4.8 \text{ minutes}}$$

B. *Thrust SSC* Car =

C. *TGV* (France) Train =

D. *Spirit of Australia* Boat =

E. *Lockheed SR71* Airplane =

