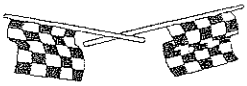
# Speed Machines



Name _____

FORMULA : SPEED = Distance ÷ Time

Round answers to the nearest tenth (one decimal place)!

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

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?

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?

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

5. The fastest plane ever made, the *Lockhead 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 one is the fastest?

6. Fill in the boxes and use a calculator to determine how long it would take each machine to get to travel 60 miles.

Round answers in shaded boxes!

A. Jeff Gordon's Car = _____ mph ← Copy speed from front page!

60 miles ÷ [ ] Speed = [ ] x 60 minutes = [ ] minutes

B. *Thrust SSC* Car = _____ mph

C. *TGV* (France) Train = _____ mph

D. *Spirit of Australia* Boat = _____ mph

E. *Lockhead SR71* Airplane = _____ mph