

Average Speed Practice Problems

Directions: Write the formula you will use for each problem first. Show all of your work!!!
Do not forget your units!!!!!!

1. The earth travels at about 68,000 miles/hour as it moves around the sun. How many miles does the earth travel in 24 hours?
2. An airplane travels 600 miles in 2 hours. What is the speed of the plane?
3. A toy car rolls down a ramp covering 8 meters in 4 seconds. What is its speed?
4. A runner goes around the 400 meter track in 48 seconds. What is the runner's speed?
 - a. The world record time is 44.57 seconds. Is this a new world record? Why or why not?
5. You drive 150 miles in 3 hours before stopping for 30 minutes (or 0.5 hours) for lunch and gas. After lunch you travel 100 miles in 1.5 hours.
 - a. What is the total distance you traveled? _____
 - b. How much time did your total trip take? _____
 - c. What was your average speed? _____