

Converting Speeds

Practice converting the following speeds into the given units. Remember: $d = rt$

1. If I drive 100 miles on I5 in 2 hours, how fast am I going:
 - a. In miles per hour?
 - b. In miles per minute?
 - c. In miles per second?
 - d. In feet per hour?
 - e. In feet per minute?
 - f. In feet per second?
 - g. In inches per hour?
 - h. In inches per minute?
 - i. In inches per second?

2. A snail moves at an average speed of 0.0425 fps (not fast.) How fast is the snail traveling:
 - a. In miles per hour?
 - b. In miles per minute?
 - c. In miles per second?
 - d. In feet per hour?
 - e. In feet per minute?
 - f. In inches per hour?
 - g. In inches per minute?
 - h. In inches per second?

3. The Pacific tectonic plate is moving at an average speed of 3.5 inches per year. How fast is it moving:
- a. In miles per hour?
 - b. In miles per minute?
 - c. In miles per second?
 - d. In feet per hour?
 - e. In feet per minute?
 - f. In feet per second?
 - g. In inches per hour?
 - h. In inches per minute?
 - i. In inches per second?
 - j. Mount Mazama erupted in approximately 2290 BC and created Crater lake. Approximately how far has the Pacific tectonic plate moved since Mazama's eruption?