

Worksheet:  
Acceleration Word Problems



Name _____
Date _____
Period _____ Table _____

### Acceleration Problems

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

1. Sandra accelerates her skateboard along a straight path from 0 m/s to 6.0 m/s in 3.5 seconds.  
Find her average acceleration.



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

2. A turtle swimming in a straight line toward shore has a speed of 0.50 m/s. After 4.0 seconds, its speed is 0.80 m/s. What is the turtle's average acceleration?



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

3. Find the acceleration of a northbound train that slows down from 12 m/s to 9.6 m/s in 0.8 seconds.



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

4. Erik's car accelerates at an average rate of  $2.6 \text{ m/s}^2$ . Calculate how long it takes his car to speed up from 24.6 m/s to 26.8 m/s.



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