VELOCITY Practice

1. What is the velocity of a penguin that swims 90 meters through the water in 12 minutes?

2. Suppose the penguin above was running on land instead of swimming. If the penguin waddles at a velocity of 29,880 m/s, how far will it travel in 10.0 seconds?

3. Like the penguin, the walrus is a fine swimmer, though it does not have the same endurance. For short periods of time, a walrus can swim with an average velocity of 9.7 m/s. How far would a walrus swim at this speed for 204 seconds?

4. Calculate the velocity of a southbound cruise ship that travels a distance of 125 miles in 2 hours' time.

5. How much time does it take for a bird, flying at a velocity of 45 miles per hour, to ravel a distance of 1,800 miles?

6. A comet is cruising through the solar system at a velocity of 50,000 km per hour for 4 hours. What is the total distance traveled by the comet?

7. John can travel 560 meters to his house in 540 seconds. What is his average velocity?

8. Todd drives to work–55 miles one way– in 1.4 hours. What is his average velocity?

9. Liz travels at a constant velocity of 65 miles per hour toward Tucson. Tucson is 275 miles away. How long will it take her to get there?

10. Create your own velocity word problem and solve it.