Find the missing variable.

1. Distance = 15 mi  
   time = 2h  
   rate = _____________

2. Distance = 56 km  
   time = 4 h  
   rate = _____________

3. Distance = 72 yd  
   time = _____________  
   rate = _____________

4. Distance = 27 cm  
   time = _____________  
   rate = _____________

5. Distance = _____________  
   time = 2 d  
   rate = _____________

6. Distance = _____________  
   time = 6 wk  
   rate = _____________

7. The California Speedway hosts automobile races. Which rate of speed is higher: a car completing a 500-mi race in about 3 \( \frac{1}{3} \) h or a car completing a 300-mi race in about 2 \( \frac{1}{2} \) h? ______________

8. A train traveled 250 mi in 2 h. If it traveled at the same rate of speed, how long would it take the train to travel 600 mi? ______________

9. The space shuttle travels 4,375 mi in 15 min as it orbits the earth. Estimate its average rate of speed during that time to the nearest hundred.

   A  About 400 mi per min
   B  About 300 mi per min
   C  About 60,000 mi per min
   D  About 70,000 mi per min

10. Writing to Explain  Kevin drove his scooter 62 km in 2 h. Explain how to find how far he drives if he drives at the same rate for 3 h. ______________

   ______________

   ______________