

Name: \_\_\_\_\_

1. Find the missing piece using the  $D=RT$  formula:

a. Distance = 10mi, Rate = 12 miles per hour,  $T = ?$

b. Distance =  $?$ , Rate = 5 meters per second,  $T = 20$  seconds

c. Distance = 1000 feet,  $R = ?$ , Time = 20 minutes

2. A girl cycles for 3 hours at a speed of 40 km/hr.  
How far does she travel?

5. How long does it take to drive a distance of 260 miles at a speed of 65 mph?

3. Jimmy is driving 15 miles per hour. How many miles has he driven after three hours?

6. A car travels a distance of 540 km in 6 hours. What is the car's speed?

4. Tom is able to swim 10 miles in 1.5 hours. How many miles will he have swam after 5 hours?

7. Sam walks 100 feet per minute. How far does she go in 1 hour?

8. A bus travels from the station to the beach, a distance of 576 km away in 6 hours. The bus is only allowed to travel at a maximum speed of 90 km/hr. Did the bus break the speed limit?
9. Neil travelled 36 km at a speed of 8 km/h. Grant travelled 48 km at a speed of 10 km/h. Which journey took more time?
10. Mr. Smith bought a case (12 cans) of Soda at Whole Foods for \$7.99. What was the cost per can?
11. The unit rate for a hamburger is \$0.54. If you bought 23 hamburgers for your party, how much did they cost?
12. A 10-lb bag of cashews costs \$12.99 and an 8-lb bag of cashews costs \$11.00.  
Which is the better buy, the 8-lb or the 10-lb bag?
13. Solve these percent questions:
- 1) What percent of 157 is 96?
- 2) 7% of 95 is what?
- 3) 156 is 73% of what?
- 4) What is 240% of 51?