



Distance, Rate, and Time Quiz

Name: _____

Date: _____

Class: _____

1. If distance = rate x time, which of the following must also be true?

- a. Rate = distance x time
- b. Time = distance/rate
- c. Distance = rate/time
- d. Time = rate/distance

2. If a train travels at a speed of 100 km/hr, how far will it travel in half an hour?

- a. 100 km
- b. 50 km
- c. 25 km
- d. 10 km

3. If a jogger runs a 10-kilometer race in 60 minutes, what is her average speed?

- a. 10 km/hr
- b. 5 km/hr
- c. 6 km/hr
- d. 1.66 km/hr

4. If a car travels at 40 km/hr for 4 hours, how much distance has it covered?

- a. 160 km
- b. 140 km
- c. 120 km
- d. 100 km

5. An aircraft carrier travels a distance of 1,000 km in 3 days. What is its average rate of speed?

- a. 1,000 km/hr
- b. 3,000 km/hr
- c. 333.3 km/hr
- d. 13.9 km/hr

6. A train leaves New York traveling at a speed of 90 km/hr. How much distance will it cover in five hours?

- a. 45 km
- b. 450 km
- c. 180 km
- d. 18 km

7. If a train travels 1,600 km in 16 hours, how fast is it moving?

- a. 60 km/hr
- b. 100 km/hr
- c. 120 km/hr
- d. 90 km/hr

8. If a person ran 32 kilometers at a rate of 8 kilometers/hr, how long did he run?

- a. 6 hours
- b. 8 hours
- c. 4 hours
- d. 12 hours

9. A crosstown bus travels 8 kilometers in 45 minutes. What is its average rate of speed?

- a. 4 km/hr
- b. 6.67 km/hr
- c. 8 km/hr
- d. 10.67 km/hr

10. Which of the following steps is important in solving distance, rate, and time problems?

- a. Working quickly
- b. Doing whole problems in your head
- c. Drawing diagrams
- d. Memorizing the average speeds of different trains