

## Distance Formulas Review

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

Date: \_\_\_\_\_ Period: \_\_\_\_\_

*Solve using the formulas:*

$$\text{Distance} = \text{Rate} * \text{Time}$$

$$\text{Rate}(\text{speed}) = \text{Distance} / \text{Time}$$

$$\text{Time} = \text{Distance} / \text{Rate}$$

1. A car traveled 1,254 miles in 22 hours. Calculate the speed of the car in miles per hour.
2. A train traveled 2,520 miles in 42 hours. What is the velocity of the train?
3. A plane travels 1250 miles in 2.5 hours. What is the speed of the airplane in miles per hour?
4. A truck travels 55 miles per hour for 12 hours. How far did the truck travel in miles?
5. One train leaves Newark traveling at a rate of 135 miles per hour for 3 hours. A second train leaves Newark traveling 105 miles for 9 hours. Which train traveled the longest distance in miles?

## Distance Formulas Data Table

*Solve using the formulas:*

$$\text{Distance} = \text{Rate} * \text{Time}$$

$$\text{Rate}(\text{speed}) = \text{Distance} / \text{Time}$$

$$\text{Time} = \text{Distance} / \text{Rate}$$

Toy Car Activity

Attempt #	Distance	Time	Speed

Speed walker activity

Attempt #	Distance	Time	Speed

## Distance Formula Test

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

Date: \_\_\_\_\_ Period: \_\_\_\_\_

*Solve using the distance formulas:*

1. A car traveled 544 miles in 2 hours. Calculate the speed of the car in miles per hour.
2. A train traveled 3,120 miles in 42 hours. What is the velocity of the train?
3. A plane travels 1185 miles in 2.5 hours. What is the speed of the airplane in miles per hour?
4. A truck travels 65 miles per hour for 12 hours. How far did the truck travel in miles?
5. One train leaves Newark traveling at a rate of 135 miles per hour for 2 hours. A second train leaves Newark traveling 105 miles for 7 hours. Which train traveled the longest distance in miles?
6. A car traveled 1,254 miles in 18 hours. Calculate the speed of the car in miles per hour.
7. A train traveled 2,520 miles in 26 hours. What is the velocity of the train?
8. A plane travels 1750 miles in 3.5 hours. What is the speed of the airplane in miles per hour?
9. A truck travels 65 miles per hour for 18 hours. How far did the truck travel in miles?
10. One plane leaves Ft. Myers traveling at a rate of 375 miles per hour for 4 hours. A second plane leaves Ft. Myers traveling 655 miles for 3.5 hours. Which plane traveled the longest distance in miles?