

Solving a one-step word problem using the formula $d = rt$: Worksheet 11.1

Name Date Score

Use the formula $d = rt$, where d is the distance, r is the speed and t is time to solve the following problems.

1. A boat can go 25 miles in $1\frac{9}{16}$ hours. Find the speed of the boat using the formula $d = rt$.
2. A car travels 96 miles at the speed of 36 miles per hour. Find the time taken for the journey using the formula $d = rt$.
3. A bus travels for 3 hours at the speed of 38 miles per hour. Find the distance traveled using the formula $d = rt$.
4. A boat can go 48 miles in $2\frac{2}{3}$ hours. Find the speed of the boat using the formula $d = rt$.
5. A car travels 108 miles at the speed of 48 miles per hour. Find the time taken for the journey using the formula $d = rt$.
6. A bus travels for $2\frac{2}{3}$ hours at the speed of 36 miles per hour. Find the distance traveled using the formula $d = rt$.
7. A boat can go 34 miles in $3\frac{2}{5}$ hours. Find the speed of the boat using the formula $d = rt$.
8. A car travels 126 miles at the speed of 54 miles per hour. Find the time taken for the journey using the formula $d = rt$.
9. A bus travels for $3\frac{1}{2}$ hours at the speed of 42 miles per hour. Find the distance traveled using the formula $d = rt$.



10. A boat can go 66 miles in $5\frac{1}{2}$ hours. Find the speed of the boat using the formula $d = rt$.

Solutions: Worksheet 11.1

1. 16 miles per hour
2. $2\frac{2}{3}$ hours
3. 114 miles
4. 18 miles per hour
5. $2\frac{1}{4}$ hours
6. 96 miles
7. 10 miles per hour
8. $2\frac{1}{3}$ hours
9. 147 miles
10. 12 miles per hour

