

Solving a one-step word problem using the formula $d = rt$: Worksheet 11.3

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 30 miles in $1\frac{2}{3}$ hours. Find the speed of the boat using the formula $d = rt$.
2. A car travels 144 miles at the speed of 54 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 42 miles per hour. Find the distance traveled using the formula $d = rt$.
4. A boat can go 64 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 40 miles per hour. Find the time taken for the journey using the formula $d = rt$.
6. A bus travels for $3\frac{2}{3}$ hours at the speed of 36 miles per hour. Find the distance traveled using the formula $d = rt$.
7. A boat can go 45 miles in $3\frac{3}{4}$ hours. Find the speed of the boat using the formula $d = rt$.
8. A car travels 150 miles at the speed of 48 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 48 miles per hour. Find the distance traveled using the formula $d = rt$.



10. A boat can go 81 miles in $4\frac{1}{2}$ hours. Find the speed of the boat using the formula $d = rt$.

Solutions: Worksheet 11.3

1. 18 miles per hour
2. $2\frac{2}{3}$ hours
3. 126 miles
4. 24 miles per hour
5. 2.7 hours
6. 132 miles
7. 12 miles per hour
8. $3\frac{1}{8}$ hours
9. 168 miles
10. 18 miles per hour

