

# Solving a one-step word problem using the formula $d = rt$ : Worksheet 11.2

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 60 miles in  $3\frac{3}{4}$  hours. Find the speed of the boat using the formula  $d = rt$ .
2. A car travels 117 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 4 hours at the speed of 32 miles per hour. Find the distance traveled using the formula  $d = rt$ .
4. A boat can go 56 miles in  $2\frac{2}{3}$  hours. Find the speed of the boat using the formula  $d = rt$ .
5. A car travels 120 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  $2\frac{1}{3}$  hours at the speed of 30 miles per hour. Find the distance traveled using the formula  $d = rt$ .
7. A boat can go 51 miles in  $3\frac{2}{5}$  hours. Find the speed of the boat using the formula  $d = rt$ .
8. A car travels 108 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  $2\frac{1}{2}$  hours at the speed of 40 miles per hour. Find the distance traveled using the formula  $d = rt$ .



10. A boat can go 63 miles in  $3\frac{1}{2}$  hours. Find the speed of the boat using the formula  $d = rt$ .

### Solutions: Worksheet 11.2

1. 16 miles per hour
2.  $3\frac{1}{4}$  hours
3. 128 miles
4. 21 miles per hour
5.  $2\frac{1}{2}$  hours
6. 70 miles
7. 15 miles per hour
8. 2 hours
9. 100 miles
10. 18 miles per hour

