



Write an equation and solve the following $R \times T = D$ problems. Show all your work.

1. If Brenda strolled 16 miles at 4 miles per hour, how long was Brenda strolling?
2. Kathleen bicycled to Julie's house. It is 10 miles from Kathleen's house to Julie's house. It took Kathleen 2 hours to get there. How fast did Kathleen go?
3. It took Juan 10 hours to wander to Rose's house at 2 miles per hour. How far is it between Juan's house and Rose's house?
4. It took Lois 3 hours to bicycle to Jean's house at 9 miles per hour. How far is it between Lois's house and Jean's house?
5. Matthew ran 35 miles at 10 miles per hour. How long did Matthew run?
6. Frank skated to Terry's house. It is 35 miles from Frank's house to Terry's house. It took Frank 3 hours and 30 minutes to get there. How fast did Terry go?
7. Terry sprinted to Donna's house. It is 9 miles from Terry's house to Donna's house. It took Terry 1 hour and 30 minutes to get there. How fast did Terry go?
8. If Rebecca sprinted for 2 hours at 5 miles per hour, how far did Rebecca go?
9. It took Jonathan 4 hours to skate to Brandon's house at 6 miles per hour. How far is it between Jonathan's house and Brandon's house?
10. If Barbara rode for 2 hours and 30 minutes at 6 miles per hour, how far did Barbara go?

Solve and check the following equations:

11. $-39 = \frac{q}{3}$

12. $\frac{3}{5}m = -15$

13. $2 + \frac{a}{4} = -1$

14. $10 + \frac{h}{3} = 1$

15. $-5x - 2 = 13$

16. $7 = \frac{x-8}{3}$

17. $4 = \frac{a+10}{2}$

Simplify:

18. $-2(-2x + 5)$