

# Practice 1-7

## Solving Equations by Multiplying and Dividing

Solve each equation. Check the solution.

1.  $\frac{a}{-6} = 2$

\_\_\_\_\_

2.  $18 = \frac{v}{-1.8}$

\_\_\_\_\_

3.  $46 = 2.3m$

\_\_\_\_\_

4.  $-114 = -6k$

\_\_\_\_\_

5.  $0 = \frac{b}{19}$

\_\_\_\_\_

6.  $136 = 8y$

\_\_\_\_\_

7.  $0.6j = -1.44$

\_\_\_\_\_

8.  $\frac{q}{7.4} = 8.3$

\_\_\_\_\_

9.  $28b = -131.6$

\_\_\_\_\_

10.  $\frac{n}{-9} = -107$

\_\_\_\_\_

11.  $37c = -777$

\_\_\_\_\_

12.  $\frac{n}{-1.28} = 4.96$

\_\_\_\_\_

Write and solve an equation for each situation.

13. Skylar spent \$90.65 on books that cost \$12.95 each. How many books did Skylar buy?
- \_\_\_\_\_

14. Eugenio has five payments left to make on his computer. If each payment is \$157.90, how much does he still owe?
- \_\_\_\_\_

15. Judy spent \$83.86 to buy T-shirts for the 14 members of the Chess Club. How much did each T-shirt cost?
- \_\_\_\_\_

16. Alison uses a total of 94.5 cups of dog food each week to feed her three dogs. Each dog eats the same amount. How much does each dog eat in one day?
- \_\_\_\_\_

Choose from  $-4, -3, -2, -1, 0, 1, 2, 3, 4$ . Find *all* the numbers that are solutions of each equation.

17.  $|x| = 4$

\_\_\_\_\_

18.  $5 + |x| = 6$

\_\_\_\_\_

19.  $|x - 2| = 2$

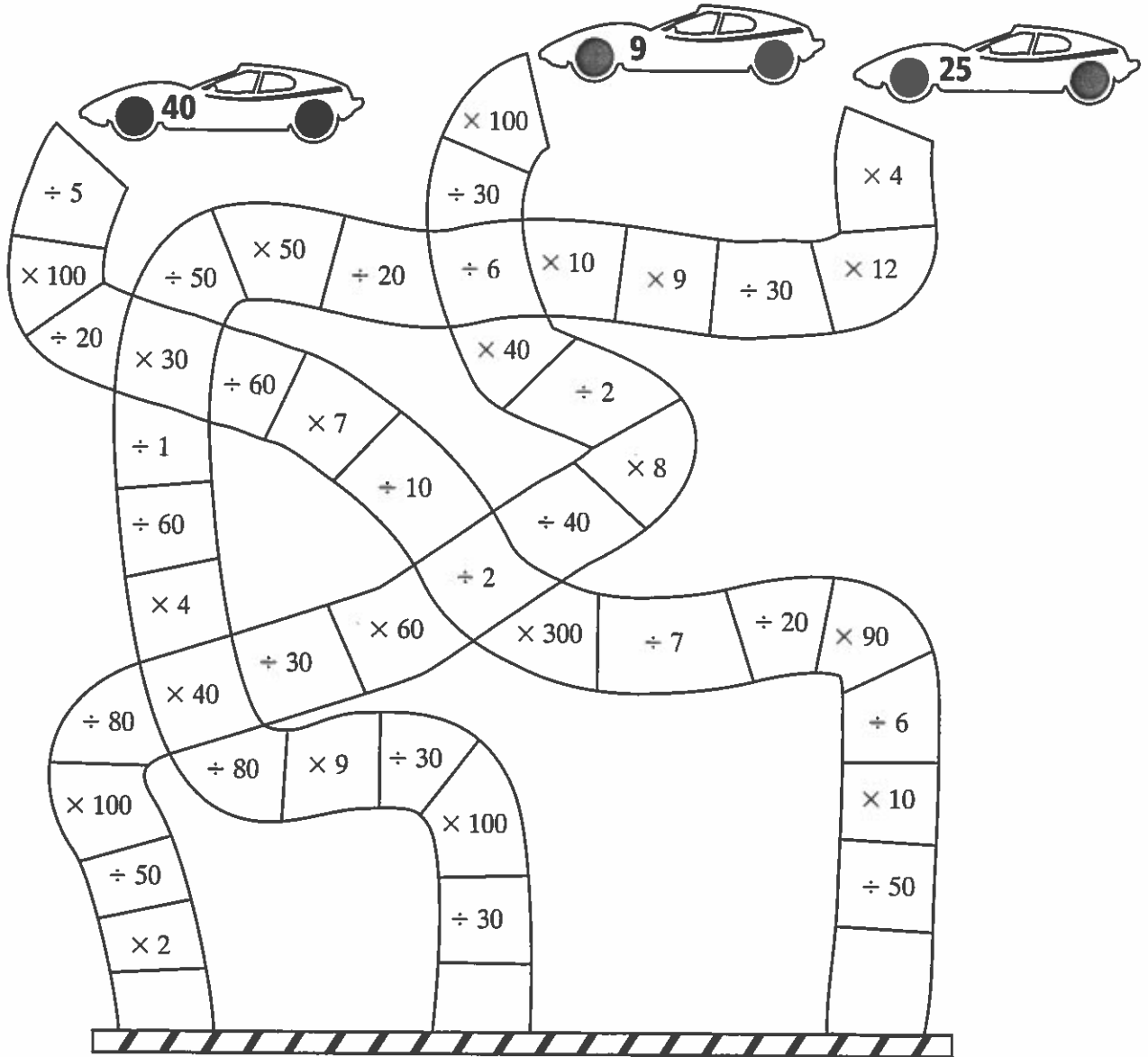
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# Puzzle 1-7

## Solving Equations by Multiplying and Dividing

### Road Race

Start with the number of each car. Follow along each road by multiplying or dividing. The number you end up with at the end of each road is the number of minutes the car took to complete the race.



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	Car number	Number of minutes
First place		
Second place		
Third place		