

Name \_\_\_\_\_

Date \_\_\_\_\_

HW

## Multiplication and Division Equations

Solve each equation.

1.  $6c = 18$

2.  $2a = 14$

3.  $75 = 15x$

4.  $25d = 350$

5.  $9.5w = 76$

6.  $2.5k = 17.5$

7.  $805 = 7h$

8.  $9y = 81$

9.  $\frac{n}{4} = 68$

10.  $12 = \frac{m}{9}$

11.  $\frac{n}{2.4} = 15$

12.  $\frac{z}{64} = 8$

13.  $\frac{y}{9} = 12$

14.  $\frac{x}{4} = 24$

15.  $9 = \frac{w}{9}$

For Exercises 16–19, write and solve an equation to answer each question.

16. Carmen participated in a read-a-thon. Mr. Cole pledged \$4.00 per book and gave Carmen \$44. How many books did Carmen read?

\_\_\_\_\_

17. Lee drove 420 miles and used 15 gallons of gasoline. How many miles did Lee's car travel per gallon of gasoline?

\_\_\_\_\_

18. Last week Tina worked 38 hours in 5 days. How many hours did she work each day?

\_\_\_\_\_

19. On some days, Melvin commutes 3.5 hours per day to the city for business meetings. Last week he commuted for a total of 14 hours. How many days did he commute to the city?

\_\_\_\_\_

20. One way to solve the equation  $4x = 32$  is to divide both sides by 4.

Another way to solve this equation is to multiply both sides by \_\_\_\_\_.