

Practice 1-2 The Order of Operations

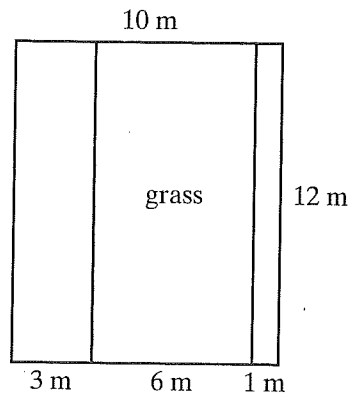
Simplify each expression.

- | | |
|--|----------------------------------|
| 1. $3 + 15 - 5 \cdot 2$ _____ | 2. $5 \cdot 6 + 2 \cdot 4$ _____ |
| 3. $48 \div 8 - 1$ _____ | 4. $68 - 12 \div 2 \div 3$ _____ |
| 5. $6(2 + 7)$ _____ | 6. $25 - (6 \cdot 4)$ _____ |
| 7. $3[9 - (6 - 3)] - 10$ _____ | 8. $60 \div (3 + 12)$ _____ |
| 9. $4 - 2 + 6 \cdot 2$ _____ | 10. $18 \div (5 - 2)$ _____ |
| 11. $\frac{16 + 24}{30 - 22}$ _____ | 12. $2[4(9 - 7) + 1]$ _____ |
| 13. $(8 \div 8 + 2 + 11) \div 2$ _____ | 14. $9 + 3 \cdot 4$ _____ |
| 15. $18 \div 3 \cdot 5 - 4$ _____ | 16. $10 + 28 \div 14 - 5$ _____ |

Insert grouping symbols to make each number sentence true.

- | | |
|---------------------------------|------------------------------|
| 17. $3 + 5 \cdot 8 = 64$ | 18. $4 \cdot 6 - 2 + 7 = 23$ |
| 19. $10 \div 3 + 2 \cdot 4 = 8$ | 20. $3 + 6 \cdot 2 = 18$ |

A city park has two walkways with a grassy area in the center, as shown in the diagram.



21. Write an expression for the area of the sidewalks, using subtraction.

22. Write an expression for the area of the sidewalks, using addition.

Compare. Use $>$, $<$, or $=$ to complete statement.

- | | |
|--|--|
| 23. $(24 - 8) \div 4$ <input type="checkbox"/> $24 - 8 \div 4$ | 24. $3 \cdot (4 - 2) \cdot 5$ <input type="checkbox"/> $3 \cdot 4 - 2 \cdot 5$ |
| 25. $(22 + 8) \div 2$ <input type="checkbox"/> $22 + 8 \div 2$ | 26. $20 \div 2 + 8 \cdot 2$ <input type="checkbox"/> $20 \div (2 + 8) \cdot 2$ |
| 27. $11 \cdot 4 - 2$ <input type="checkbox"/> $11 \cdot (4 - 2)$ | 28. $(7 \cdot 3) - (4 \cdot 2)$ <input type="checkbox"/> $7 \cdot 3 - 4 \cdot 2$ |

Practice 1-3 Evaluating Expressions

Evaluate each expression.

1. xy , for $x = 3$ and $y = 5$ _____
2. $24 - p \cdot 5$, for $p = 4$ _____
3. $5a + b$, for $a = 6$ and $b = 3$ _____
4. $6x$, for $x = 3$ _____
5. $9 - k$, for $k = 2$ _____
6. $63 \div p$, for $p = 7$ _____
7. $2 + n$, for $n = 3$ _____
8. $3m$, for $m = 11$ _____
9. $10 - r + 5$, for $r = 9$ _____
10. $m + n \div 6$, for $m = 12$ and $n = 18$ _____
11. $1,221 \div x$, for $x = 37$ _____
12. $10 - x$, for $x = 3$ _____
13. $4m + 3$, for $m = 5$ _____
14. $35 - 3x$, for $x = 10$ _____
15. $851 - p$, for $p = 215$ _____
16. $18a - 9b$, for $a = 12$ and $b = 15$ _____
17. $3ab - c$, for $a = 4$, $b = 2$, and $c = 5$ _____
18. $\frac{ab}{2} + 4c$, for $a = 6$, $b = 5$, and $c = 3$ _____
19. $\frac{rst}{3}$, for $r = 9$, $s = 2$, and $t = 4$ _____
20. $x(y + 5) - z$, for $x = 3$, $y = 2$, and $z = 7$ _____
21. Elliot is 58 years old.
 - a. Write an expression for the number of years by which Elliot's age exceeds that of his daughter, who is y years old. _____
 - b. If his daughter is 25, how much older is Elliot? _____
22. A tree grows 5 in. each year.
 - a. Write an expression for the tree's height after x years. _____
 - b. When the tree is 36 years old, how tall will it be? _____

Practice 1-6 Subtracting Integers

Use rules to find each difference.

1. $8 - 12$

2. $13 - 6$

3. $9 - (-12)$

4. $57 - 39$

5. $-173 - 162$

6. $71 - (123)$

7. $51 - 89$

8. $-222 - (-117)$

9. $843 - 677$

10. $-98 - 183$

11. $366 - (-429)$

12. $-83 - (-48) - 65$

Find each difference.

13. $6 - 9$

14. $14 - 8$

15. $-15 - 3$

16. $-25 - 25$

17. $-16 - (-16)$

18. $32 - (-17) - 32$

Round each number. Then estimate each sum or difference.

19. $-57 + (-98)$

20. $448 - 52$

21. $-191 + (-511)$

22. $-361 - (-58)$

23. $888 + 1,177$

24. $-484 - 1,695$

Write a numerical expression for each phrase. Then simplify.

25. A balloon goes up 2,300 ft, then goes down 600 ft.
_____26. You lose \$50, then spend \$35.
_____27. The Glasers had \$317 in their checking account. They wrote checks for \$74, \$132, and \$48. What is their checking account balance?

Practice 2-3 Simplifying Variable Expressions

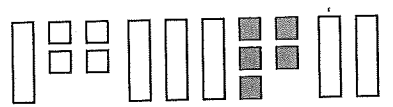
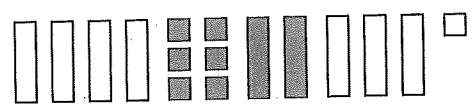
Simplify each expression.

- | | | |
|--------------------------------------|-------------------------------------|-----------------------------------|
| 1. $16 + 7y - 8$
_____ | 2. $18m - 7 + 12m$
_____ | 3. $5(3t) - 7(2t)$
_____ |
| 4. $2x - 9y + 7x + 20y$
_____ | 5. $3(9k - 4) - 4(5n - 3)$
_____ | 6. $6(g - h) - 6(g - h)$
_____ |
| 7. $-21(a + 2b) + 14a - 9b$
_____ | 8. $-7a + 3(a - c) + 5c$
_____ | 9. $-2(-5)q + (-72)(-q)$
_____ |

Name the coefficients, any like terms, and any constants.

	Coefficients	Like Terms	Constants
10. $3x + 7$	_____	_____	_____
11. $4m + (-3n) + n$	_____	_____	_____
12. $6kp + 9k + kp - 14$	_____	_____	_____
13. $-8y + 6ab + 7 - 3ba$	_____	_____	_____
14. $c + 2c + c - 5c + 1$	_____	_____	_____

Write an expression for each model. Simplify the expression.

15.  _____
16.  _____

Justify each step.

17. $5(n + 4) + 9n = (5n + 20) + 9n$ _____
- $= 5n + (20 + 9n)$ _____
- $= 5n + (9n + 20)$ _____
- $= (5n + 9n) + 20$ _____
- $= (5 + 9)n + 20$ _____
- $= 14n + 20$ _____

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Practice 2-5 Solving Equations by Adding or Subtracting

Use mental math to solve each equation.

1. $-52 = -52 + k$ _____

2. $837 = p + 37$ _____

3. $x - 155 = 15$ _____

4. $180 = 80 + n$ _____

5. $2,000 + y = 9,500$ _____

6. $81 = x - 19$ _____

7. $111 + f = 100$ _____

8. $w - 6 = -16$ _____

Solve each equation.

9. $m - 17 = -8$ _____

10. $k - 55 = 67$ _____

11. $-44 + n = 36$ _____

12. $-36 = p - 91$ _____

13. $x - 255 = 671$ _____

14. $19 = c - (-12)$ _____

15. $x + 14 = 21$ _____

16. $31 = p + 17$ _____

17. $-19 = k + 9$ _____

18. $87 + y = 19$ _____

19. $36 + n = 75$ _____

20. $-176 = h + (-219)$ _____

21. $41 + k = 7$ _____

22. $1,523 + c = 2,766$ _____

23. $-88 + z = 0$ _____

24. $-33 + (-7) = 29 + m$ _____

25. $t + (-2) = -66$ _____

26. $-390 + x = 11 - 67$ _____

27. The combined enrollment in the three grades at Jefferson Middle School is 977. There are 356 students in the seventh grade and 365 in the eighth grade. Write and solve an equation to find how many students are in the ninth grade.

Equation _____

Solution _____

Practice 3-5 Solving Equations by Adding or Subtracting Decimals

Solve each equation.

1. $3.8 = n - 3.62$

2. $x - 19.7 = -17.48$

3. $12.5 = t - 3.55$

4. $k - 263.48 = -381.09$

5. $9.36 + k = 14.8$

6. $-22 = p + 13.7$

7. $y + 3.85 = 2.46$

8. $-13.8 = h + 15.603$

9. $y - 48.763 = 0$

10. $6.21 = e + (-3.48)$

11. $x + (-0.0025) = 0.0024$

12. $-58.109 = v - 47.736$

13. $x + 82.7 = 63.5$

14. $-0.08 = f + 0.07$

15. $0 = a + 27.98$

16. $117.345 + m = 200$

17. $z - 81.6 = -81.6$

18. $5.4 = t + (-6.1)$

19. $-4.095 + b = 18.665$

20. $4.87 = n + 0.87$

Use mental math to solve each equation.

21. $k + 23.7 = 23.7$

22. $5.63 = n + 1.63$

23. $x - 3.2 = 4.1$

24. $p - 0.7 = 9.3$

25. $6.75 + c = 12.95$

26. $-1.09 = j - 4.99$

Practice 3-6 Solving Equations by Multiplying or Dividing Decimals

Use mental math to solve each equation.

1. $0.7h = 4.2$ _____

2. $\frac{x}{2.5} = -3$ _____

3. $38.7 = -100k$ _____

4. $-45.6e = -4.56$ _____

Solve each equation.

5. $\frac{p}{2.9} = 0.55$ _____

6. $9.1 = \frac{-x}{-0.7}$ _____

7. $-6.4 = \frac{y}{8.5}$ _____

8. $\frac{k}{-1.2} = -0.07$ _____

9. $277.4 = \frac{n}{3.5}$ _____

10. $\frac{e}{-0.76} = 2,809$ _____

11. $\frac{a}{27} = -32.3$ _____

12. $\frac{p}{-1.52} = -3,600$ _____

13. $-9k = 2.34$ _____

14. $-12.42 = 0.03\bar{p}$ _____

15. $-7.2y = 61.2$ _____

16. $-0.1035 = 0.23n$ _____

17. $1.5m = 3.03$ _____

18. $-0.007h = 0.2002$ _____

19. $8.13t = -100.812$ _____

20. $0.546 = 0.42y$ _____

Write an equation for each sentence. Solve for the variable.

21. The opposite of seventy-five hundredths times some number
- n
- equals twenty-four thousandths. Find the value of
- n
- .
-
- _____

22. A number
- n
- divided by
- -3.88
- equals negative two thousand. Find the value of
- n
- .
-
- _____

23. Four hundredths times some number
- n
- equals thirty-three and four tenths. Find the value of
- n
- .
-
- _____

24. The product of some number
- n
- and
- -0.26
- equals
- 169.39
- . Find the value of
- n
- .
-
- _____

Practice 4-2 Exponents

Evaluate each expression.

1. m^4 , for $m = 5$ _____
2. $(5a)^3$, for $a = -1$ _____
3. $-(2p)^2$, for $p = 7$ _____
4. $-n^6$, for $n = 2$ _____
5. b^6 for, $b = -1$ _____
6. $(e - 2)^3$, for $e = 11$ _____
7. $(6 + h^2)^2$, for $h = 3$ _____
8. $x^2 + 3x - 7$, for $x = -4$ _____
9. $y^3 - 2y^2 + 3y - 4$, for $y = 5$ _____

Write using exponents.

10. $3 \cdot 3 \cdot 3 \cdot 3$ _____
11. $k \cdot k \cdot k \cdot k \cdot k$ _____
12. $(-9)(-9)(-9)m \cdot m \cdot m$ _____
13. $g \cdot g \cdot g \cdot g \cdot h$ _____
14. $7 \cdot a \cdot a \cdot b \cdot b \cdot b$ _____
15. $-8 \cdot m \cdot n \cdot n \cdot 2 \cdot m \cdot m$ _____
16. $d \cdot (-3) \cdot e \cdot e \cdot d \cdot (-3) \cdot e$ _____

Simplify each expression.

17. $(-2)^3$ and -2^3 _____
18. 0^{12} _____
19. 2^8 and 4^4 _____
20. $-5^2 + 4 \cdot 2^3$ _____
21. $3(8 - 6)^2$ _____
22. $-6^2 + 2 \cdot 3^2$ _____
23. $(-2)(-5)^2(3)$ _____
24. $24 + (11 - 3)^2 \div 4$ _____
25. $(17 - 3)^2 \div (4^2 - 3^2)$ _____
26. $(5 + 10)^2 \div 5^2$ _____
27. $4^3 \div (2^5 - 4^2)$ _____
28. $(-1)^5 \cdot (2^4 - 13)^2$ _____

Practice 5-2 Fractions and Decimals

Write as a fraction or mixed number in simplest form.

1. 0.4 _____ 2. 0.75 _____ 3. 0.16 _____
 4. 2.34 _____ 5. 0.09 _____ 6. 8.8 _____

Write each fraction or mixed number as a decimal.

7. $\frac{17}{20}$ _____ 8. $\frac{7}{8}$ _____ 9. $-\frac{9}{16}$ _____
 10. $3\frac{1}{8}$ _____ 11. $6\frac{9}{32}$ _____ 12. $2\frac{87}{125}$ _____
 13. $\frac{13}{25}$ _____ 14. $4\frac{31}{50}$ _____ 15. $-\frac{7}{12}$ _____
 16. $\frac{4}{9}$ _____ 17. $\frac{5}{18}$ _____ 18. $\frac{15}{11}$ _____

Order from least to greatest

19. $0.4, \frac{3}{5}, \frac{1}{2}, \frac{3}{10}$ _____
 20. $-\frac{3}{8}, -\frac{3}{4}, -0.38, -0.6$ _____
 21. $\frac{1}{4}, -\frac{1}{5}, 0.2, \frac{2}{5}$ _____
 22. Write an improper fraction with the greatest possible value using each of the digits 5, 7, and 9 once. Write this as a mixed number and as a decimal.

Write each decimal as a fraction or mixed number in simplest form.

23. $10.0\bar{7}$ _____ 24. 3.44 _____ 25. $-4.\bar{27}$ _____
 26. 0.09 _____ 27. 0.375 _____ 28. $0.2\bar{43}$ _____

Compare. Use $<$, $>$, or $=$ to complete each statement.

29. $\frac{5}{6}$ 0.8 30. $\frac{7}{11}$ 0.65 31. $4.\bar{2}$ $4\frac{2}{9}$
 32. $-\frac{3}{11}$ -0.25 33. $0.\bar{80}$ $\frac{80}{99}$ 34. -0.43 $-\frac{7}{16}$

Practice 5-3 Adding and Subtracting Fractions

Find each sum or difference.

1. $\frac{2}{3} + \frac{1}{6}$ _____

2. $\frac{5}{8} - \frac{1}{4}$ _____

3. $2 - \frac{5}{7}$ _____

4. $1\frac{1}{2} - 2\frac{4}{5}$ _____

5. $\frac{1}{4} - \frac{1}{3}$ _____

6. $5\frac{7}{8} + 3\frac{5}{12}$ _____

7. $\frac{x}{3} + \frac{x}{5}$ _____

8. $\frac{2n}{5} + \left(-\frac{n}{6}\right)$ _____

9. $\frac{7}{12} - \frac{3}{12}$ _____

10. $3\frac{1}{5} + 2\frac{2}{5}$ _____

11. $1\frac{5}{8} - 1\frac{1}{8}$ _____

12. $\frac{3}{5y} + \frac{1}{5y}$ _____

13. $\frac{9}{16} + \frac{3}{4}$ _____

14. $2\frac{7}{10} - 3\frac{7}{20}$ _____

15. $3\frac{5}{6} + 2\frac{3}{4}$ _____

16. $-1\frac{2}{3} + \left(-2\frac{1}{4}\right)$ _____

Find each sum using mental math.

17. $3\frac{3}{8} + 2\frac{1}{8} + 1\frac{3}{8}$ _____

18. $6\frac{7}{12} + 4\frac{5}{12}$ _____

19. $8\frac{3}{16} + 2\frac{5}{16} + 4\frac{7}{16}$ _____

20. $7\frac{9}{10} + 3\frac{3}{10}$ _____

Estimate each sum or difference.

21. $13\frac{4}{5} - 2\frac{9}{10}$ _____

22. $18\frac{3}{8} + 11\frac{6}{7}$ _____

23. $23\frac{6}{13} + 32\frac{7}{8}$ _____

24. $26\frac{9}{10} + 72\frac{5}{6}$ _____

Use prime factors to simplify each expression.

25. $\frac{7}{30} - \frac{29}{75}$ _____

26. $\frac{3}{14} + \frac{17}{63}$ _____

27. $\frac{5}{42} + \frac{5}{12}$ _____

28. $2\frac{5}{6} - 2\frac{5}{22}$ _____

29. $4\frac{4}{15} + 2\frac{4}{39}$ _____

30. $3\frac{5}{9} - 2\frac{11}{12}$ _____

Practice 5-4 Multiplying and Dividing Fractions

Find each quotient.

1. $\frac{1}{2} \div \frac{5}{8}$ _____

2. $-\frac{5}{24} \div \frac{7}{12}$ _____

3. $\frac{3}{8} \div \frac{6}{7}$ _____

4. $\frac{15}{19} \div \frac{15}{19}$ _____

5. $8 \div \frac{4}{5}$ _____

6. $6\frac{1}{4} \div 2\frac{1}{2}$ _____

7. $5\frac{5}{8} \div 1\frac{1}{4}$ _____

8. $2\frac{1}{3} \div \frac{7}{10}$ _____

9. $\frac{6}{35t} \div \frac{3}{7t}$ _____

10. $1\frac{3}{7} \div (-2\frac{1}{7})$ _____

Find each product.

11. $\frac{2}{5} \cdot \frac{3}{7}$ _____

12. $\frac{5}{9} \cdot \frac{3}{5}$ _____

13. $\frac{7}{9} \cdot \frac{6}{13}$ _____

14. $\frac{5}{6} \cdot (-1\frac{3}{10})$ _____

15. $-4\frac{2}{3}(-5\frac{1}{6})$ _____

16. $2\frac{5}{6}(-\frac{2}{5})$ _____

17. $4\frac{7}{8} \cdot 6$ _____

18. $\frac{5x}{7} \cdot \frac{3}{10}$ _____

19. $\frac{9a}{10} \cdot \frac{5}{12a}$ _____

20. $\frac{9t}{16} \cdot \frac{12}{17}$ _____

21. You are making cookies for a bake sale. The recipe calls for $2\frac{3}{4}$ cups of flour. How much flour will you need if you triple the recipe?

22. It took you 1 hour to read $1\frac{3}{8}$ chapters of a novel. At this rate, how many chapters can you read in three hours.

23. A teacher wants to tape sheets of paper together to make a science banner. He wants the banner to be $127\frac{1}{2}$ inches long, and each sheet of paper is $8\frac{1}{2}$ inches wide. How many sheets of paper will he need?

Practice 5-7 Solving Equations by Adding or Subtracting Fractions

Solve each equation.

1. $m - \left(-\frac{7}{10}\right) = -1\frac{1}{5}$ _____

2. $k - \frac{3}{4} = \frac{2}{5}$ _____

3. $x - \frac{5}{6} = \frac{1}{10}$ _____

4. $t - \left(-3\frac{1}{6}\right) = 7\frac{2}{3}$ _____

5. $x + \frac{5}{8} = \frac{7}{8}$ _____

6. $k + \frac{4}{5} = 1\frac{3}{5}$ _____

7. $4 = \frac{4}{9} + y$ _____

8. $h + \left(-\frac{5}{8}\right) = -\frac{5}{12}$ _____

9. $n + \frac{2}{3} = \frac{1}{9}$ _____

10. $e - \frac{11}{16} = -\frac{7}{8}$ _____

11. $w - 14\frac{1}{12} = -2\frac{3}{4}$ _____

12. $v + \left(-4\frac{5}{6}\right) = 2\frac{1}{3}$ _____

13. $a - 9\frac{1}{6} = -3\frac{19}{24}$ _____

14. $f + \left|-3\frac{11}{12}\right| = 18$ _____

15. $z + \left(-3\frac{2}{5}\right) = -4\frac{1}{10}$ _____

16. $x - \frac{7}{15} = \frac{7}{60}$ _____

17. $h - \left(-6\frac{1}{2}\right) = 14\frac{1}{4}$ _____

18. $p - 5\frac{3}{8} = -\frac{11}{24}$ _____

Solve each equation using mental math.

19. $x + \frac{3}{7} = \frac{5}{7}$ _____

20. $k - \frac{8}{9} = -\frac{1}{9}$ _____

21. $a + \frac{1}{9} = \frac{3}{9}$ _____

22. $g - \frac{4}{5} = -\frac{2}{5}$ _____

Write an equation to solve each problem.

23. Pete's papaya tree grew $3\frac{7}{12}$ ft during the year. If its height at the end of the year was $21\frac{1}{6}$ ft, what was its height at the beginning of the year?
- _____

24. Lee is $1\frac{3}{4}$ ft taller than Jay. If Lee is $6\frac{1}{4}$ ft tall, how tall is Jay?
- _____

Practice 5-8 Solving Equations by Multiplying Fractions

Solve each equation.

1. $\frac{3}{4}x = \frac{9}{16}$ _____

2. $-\frac{1}{3}p = \frac{1}{4}$ _____

3. $-\frac{3}{8}k = \frac{1}{2}$ _____

4. $\frac{1}{8}h = \frac{1}{10}$ _____

5. $2\frac{2}{3}e = \frac{1}{18}$ _____

6. $-1\frac{2}{7}m = 6$ _____

7. $-\frac{1}{4}p = \frac{1}{18}$ _____

8. $\frac{11}{-12}w = -1$ _____

9. $-3\frac{4}{7}x = 0$ _____

10. $\frac{2}{3}m = 2\frac{2}{9}$ _____

11. $5c = \frac{2}{3}$ _____

12. $-8k = \frac{4}{5}$ _____

13. $\frac{4}{7}y = 4$ _____

14. $2\frac{1}{4}f = \frac{6}{5}$ _____

15. $\frac{10}{11}n = \frac{2}{11}$ _____

16. $\frac{7}{8}c = \frac{7}{6}$ _____

Solve each equation using mental math.

17. $7d = 42$ _____

18. $\frac{1}{4}y = 5$ _____

19. $-3h = \frac{3}{8}$ _____

20. $\frac{1}{5}k = -\frac{1}{3}$ _____

Write an equation to solve each problem.

21. It takes Nancy $1\frac{2}{3}$ min to read 1 page in her social studies book. It took her $22\frac{1}{2}$ min to complete her reading assignment. How long was the assignment? Let m represent the number of pages she read.

22. It takes Gary three hours to drive to Boston. If the trip is 156 miles, what is Gary's average number of miles per hour? Let x represent the miles per hour.

Practice 6-5 Fractions, Decimals, and Percents

Write each decimal or fraction as a percent. Round to the nearest tenth of a percent where necessary.

1. 0.16 _____

2. 0.72 _____

3. $\frac{24}{25}$ _____

4. $\frac{31}{40}$ _____

5. $\frac{111}{200}$ _____

6. $\frac{403}{1,000}$ _____

7. 3.04 _____

8. 5.009 _____

9. 0.0004 _____

10. $\frac{40}{13}$ _____

11. $\frac{4}{7}$ _____

12. $\frac{57}{99}$ _____

Write each percent as a decimal.

13. 8% _____

14. 12.4% _____

15. 145% _____

16. 0.07% _____

17. $7\frac{1}{2}\%$ _____

18. $15\frac{1}{4}\%$ _____

Write each percent as a fraction or mixed number in simplest form.

19. 60% _____

20. 5% _____

21. 35% _____

22. 32% _____

23. 140% _____

24. 0.8% _____

Use $>$, $<$, or $=$ to complete each statement.

25. $0.7 \square 7\%$

26. $80\% \square \frac{4}{5}$

27. $\frac{1}{3} \square 33\%$

28. In the United States in 1990, about one person in twenty was 75 years old or older. Write this fraction as a percent.

Practice 6-7 Percents and Equations

Write and solve an equation. Where necessary, round to the nearest tenth or tenth of a percent.

1. What percent of 25 is 17? _____
2. What percent is 10 of 8? _____
3. What percent is 63 of 84? _____
4. What percent is 3 of 600? _____
5. Find 45% of 60. _____
6. Find 325% of 52. _____
7. Find $66\frac{2}{3}\%$ of 87. _____
8. Find 1% of 3,620. _____
9. $62\frac{1}{2}\%$ of x is 5. What is x ? _____
10. 300% of k is 42. What is k ? _____
11. $33\frac{1}{3}\%$ of p is 19. What is p ? _____
12. 70% of c is 49. What is c ? _____
13. 15% of n is 1,050. What is n ? _____
14. 38% of y is 494. What is y ? _____
15. A camera regularly priced at \$295 was placed on sale at \$236. What percent of the regular price was the sale price?

16. Nine hundred thirty-six students, 65% of the entire student body, attended the football game. Find the size of the student body.
