

**Check What You Learned****Understanding the Number System and Operations**

Rewrite each expression using the Distributive Property.

a

1. $3 \times (5 - 2) =$ _____

b

$(5 \times 2) + (8 \times 2) =$ _____

2. $7 \times (7 - 4) =$ _____

$(7 \times 6) - (7 \times 3) =$ _____

3. $3 \times (8 + 2) =$ _____

$5 \times (9 - 4) =$ _____

Find the Greatest Common Factor of each set of numbers.

a

4. 40, 4 _____

b

30, 12 _____

c

4, 10 _____

5. 20, 24 _____

3, 10 _____

24, 2 _____

Find the Least Common Multiple of each set of numbers.

6. 30, 15 _____

15, 5 _____

20, 4 _____

7. 5, 12, 10 _____

3, 8 _____

40, 3, 24 _____

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Multiply or divide.

a

$$\begin{array}{r} 8. \quad 213 \\ \times 362 \\ \hline \end{array}$$

b

$$\begin{array}{r} 248 \\ \times 231 \\ \hline \end{array}$$

c

$$\begin{array}{r} 2851 \\ \times 261 \\ \hline \end{array}$$

d

$$\begin{array}{r} 3732 \\ \times 531 \\ \hline \end{array}$$

$$9. \quad 76 \overline{)6308}$$

$$45 \overline{)8329}$$

$$26 \overline{)45702}$$

$$86 \overline{)99588}$$

$$10. \quad \begin{array}{r} 365.3 \\ \times 5.2 \\ \hline \end{array}$$

$$\begin{array}{r} 0.76 \\ \times 0.53 \\ \hline \end{array}$$

$$\begin{array}{r} \$67.45 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 4.26 \\ \times 7.62 \\ \hline \end{array}$$

$$11. \quad 0.6 \overline{)78}$$

$$0.09 \overline{)738}$$

$$0.07 \overline{)50.4}$$

$$18 \overline{)\$13.50}$$

Solve each problem.

- 12.** A bag of wood chips weighs 12.4 pounds. How much does a bag containing 0.42 times as many wood chips weigh?

The bag weighs _____ pounds.

- 13.** One comic book costs \$2.23. How many comic books can you buy for \$71.36?

You can buy _____ comic books.

12.**13.**