Lesson 7

Homework

Activity 1

Fill in the value for the variable.

1. $x \cdot 7 = 42$

2. $56 \div n = 8$

3. $12 - w = 9$

4. $8 + 7 = y$

5. $z - 5 = 7$

6. $b \div 8 = 6$

7. $c - 8 = 7$

8. $15 = 6 + d$

Activity 2

Select the number statement that matches the word statement.

1. Mack is 3 years older than Jake. If M is Mack's age and J is Jake's age, then
   (a) $M = 3 + J$
   (b) $J = 3 + M$
   (c) $J = 3 - M$

2. There are two times as many girls as boys in history class. If x is the number of girls and y is the number of boys, then
   (a) $2 \cdot x = y$
   (b) $2 \cdot y = x$
   (c) $y = x \cdot 2$

3. There is a 10 point difference between the lowest score and the highest score on the test. If a is the highest score and f is the lowest score, then
   (a) $f = a + 10$
   (b) $f - 10 = a$
   (c) $a - 10 = f$

4. Christy is 10 years younger than Jim. If C is Christy's age and J is Jim's age, which of the following demonstrates Jim's age when Christy is 12?
   (a) $J = C + 10$
   (b) $C = J + 10$
   (c) $C - 10 = J$

Homework

Activity 3

For each set of pattern cards, tell how many hearts should be drawn on Card B.
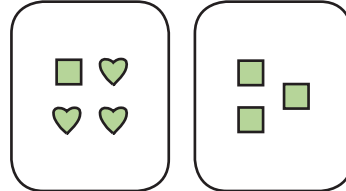
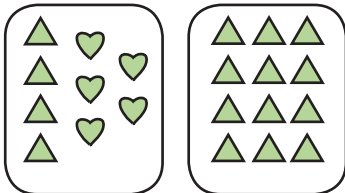**1.** $\dfrac{\text{Diamonds}}{\text{Hearts}} \ \dfrac{2}{1} = \dfrac{4}{x}$
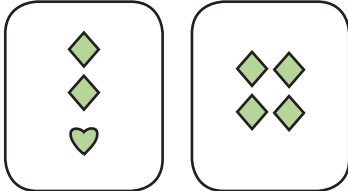
Card A   Card B

2. $\dfrac{\text{Squares}}{\text{Hearts}} \ \dfrac{1}{3} = \dfrac{3}{y}$
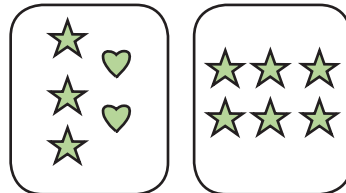

Card A   Card B

3. $\dfrac{\text{Triangles}}{\text{Hearts}} \ \dfrac{4}{5} = \dfrac{12}{z}$

Card A   Card B

4. $\dfrac{\text{Stars}}{\text{Hearts}} \ \dfrac{3}{2} = \dfrac{6}{m}$

Card A   Card B

Activity 4 • Distributed Practice

Solve.

1. $2.13 \cdot 0.11$

2. $\dfrac{4}{5} + \dfrac{3}{10}$

3. $\dfrac{11}{12} - \dfrac{2}{3}$

4. $\dfrac{1}{6} + \dfrac{2}{3} + \dfrac{1}{8}$

5. $72.8 \div 0.8$

6. $3.99 \cdot 0.01$

7. $\dfrac{4}{9} - \dfrac{1}{3}$

8. $\dfrac{1}{3} \div \dfrac{3}{5}$