Activity 1

Tell the missing value for the variable.

1. $m \div 8 = 6$
2. $4 \cdot 7 = n$
3. $5 + p = 14$
4. $r - 8 = 9$
5. $35 \div 5 = t$
6. $3 \cdot u = 18$

Activity 2

Tell if the general statement describes the pattern shown by the number sentences. Write Yes or No on your paper.

1. Does $x + y = y + x$ describe the pattern shown by these number sentences?

   $4 + 5 = 5 + 4$

   $3 + 2 = 2 + 3$

   $7 + 8 = 8 + 7$

2. Does $a \cdot b \cdot c = c \cdot b \cdot a$ describe the pattern shown by these number sentences?

   $3 \cdot \frac{1}{3} \cdot 1 = \frac{1}{3} \cdot 1 \cdot 3$

   $2 \cdot 4 \cdot 6 = 4 \cdot 6 \cdot 2$

   $8 \cdot 1.2 \cdot 3 = 1.2 \cdot 3 \cdot 8$

3. Does $a \cdot 0 = 0$ describe the pattern shown by these number sentences?

   $0 \cdot 0 = 0$

   $3 \cdot 3 = 9$

   $\frac{1}{4} \cdot \frac{1}{4} = \frac{1}{16}$

4. Does $0 + w = w$ describe the pattern shown by these number sentences?

   $0 + \frac{1}{3} = \frac{1}{3}$

   $0 + 0.25 = 0.25$

   $0 + 5 = 5$

5. Does $k + m + n = k + n + m$ describe the pattern shown by these number sentences?

   $5 + 6 + 7 = 5 + 7 + 6$

   $\frac{1}{2} + \frac{2}{2} + \frac{3}{2} = \frac{1}{2} + \frac{3}{2} + \frac{2}{2}$

   $1.2 + 3.7 + 2.9 = 1.2 + 2.9 + 3.7$
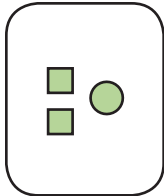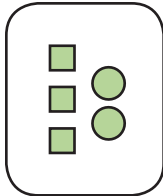
Activity 3

For each set of pattern cards, tell if it's an addition pattern (AP) or a multiplication pattern (MP). Write AP or MP on your paper. Then draw Card 4.
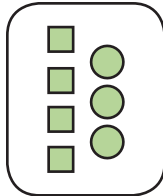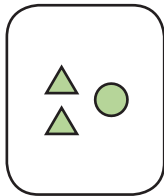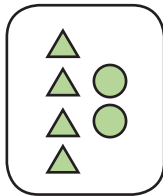
1.

Card 1   Card 2   Card 3
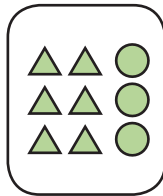
2.

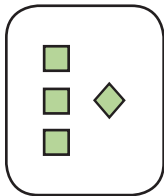Card 1   Card 2   Card 3
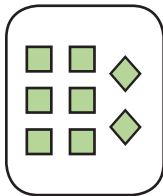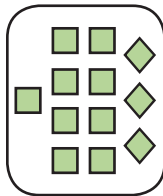
3.

Card 1   Card 2   Card 3

Activity 4 • Distributed Practice

Solve.

1. $\frac{3}{4} \cdot \frac{1}{5}$

2. $207.98 + 519.12$

3. $\frac{4}{5} - \frac{1}{10}$

4. $4.25 + 3.75 + 8.95$

5. $\frac{8}{12} \div \frac{1}{3}$

6. $1.11 \cdot 0.2$

7. $109.09 - 87.81$

8. $\frac{1}{3} + \frac{1}{6} + \frac{1}{9}$