Counting and Larger Numbers

1 Complete the pictures and fill in the missing numbers.

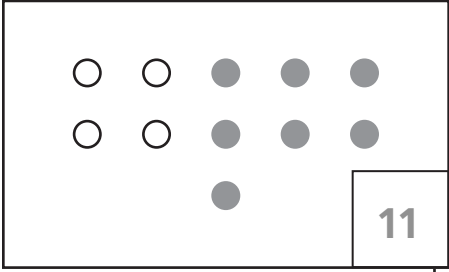|		
○ ○ ○ ○ **4**	**total dots** **10**	● ● ● ● ● ● **6**

Copy these dots below. Then draw 7 more dots.

Copy these dots below. Then draw 3 more dots.

○ ○ ● ● ● ○ ○ ● ● ● ● **11**	**total dots**	

Copy these dots below. Then draw 2 more dots.

Copy these dots below. Then draw 8 more dots.

	total dots	

✎ **Test Prep**

2 Last weekend Kanji sold lemonade in front of his house. He sold 5 glasses on Friday, 15 glasses on Saturday, and 8 glasses on Sunday. How many glasses did he sell during the 3 days?
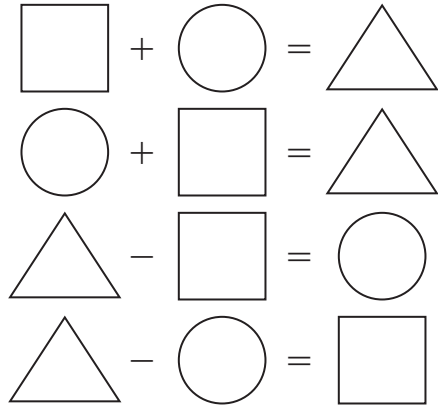
A. 18   **C.** 28

B. 21   **D.** 31
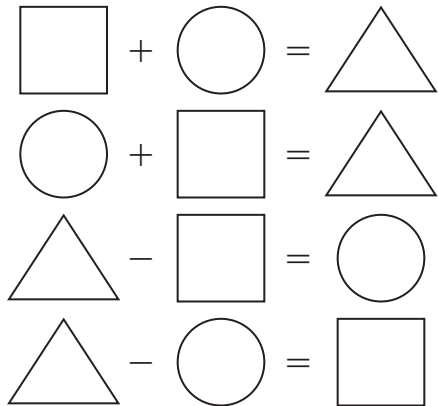
Making 10, Adding 10

Solve the problem. Write the fact family to match the problem.

The caterpillar in Betty's garden is 4 centimeters long. The caterpillar in Ben's garden is 6 centimeters long.

1 How much longer is the caterpillar in Ben's garden than the caterpillar in Betty's garden?

_____

_____

_____

$$\square + \bigcirc = \triangle$$

$$\bigcirc + \square = \triangle$$

$$\triangle - \square = \bigcirc$$

$$\triangle - \bigcirc = \square$$

2 If the two caterpillars were lined up end to end, how long would they be altogether?

_____

_____

_____

$$\square + \bigcirc = \triangle$$

$$\bigcirc + \square = \triangle$$

$$\triangle - \square = \bigcirc$$

$$\triangle - \bigcirc = \square$$

Test Prep

3 Yesterday Chris baked 40 cookies. Today there are 16 cookies left. How many cookies have been eaten?
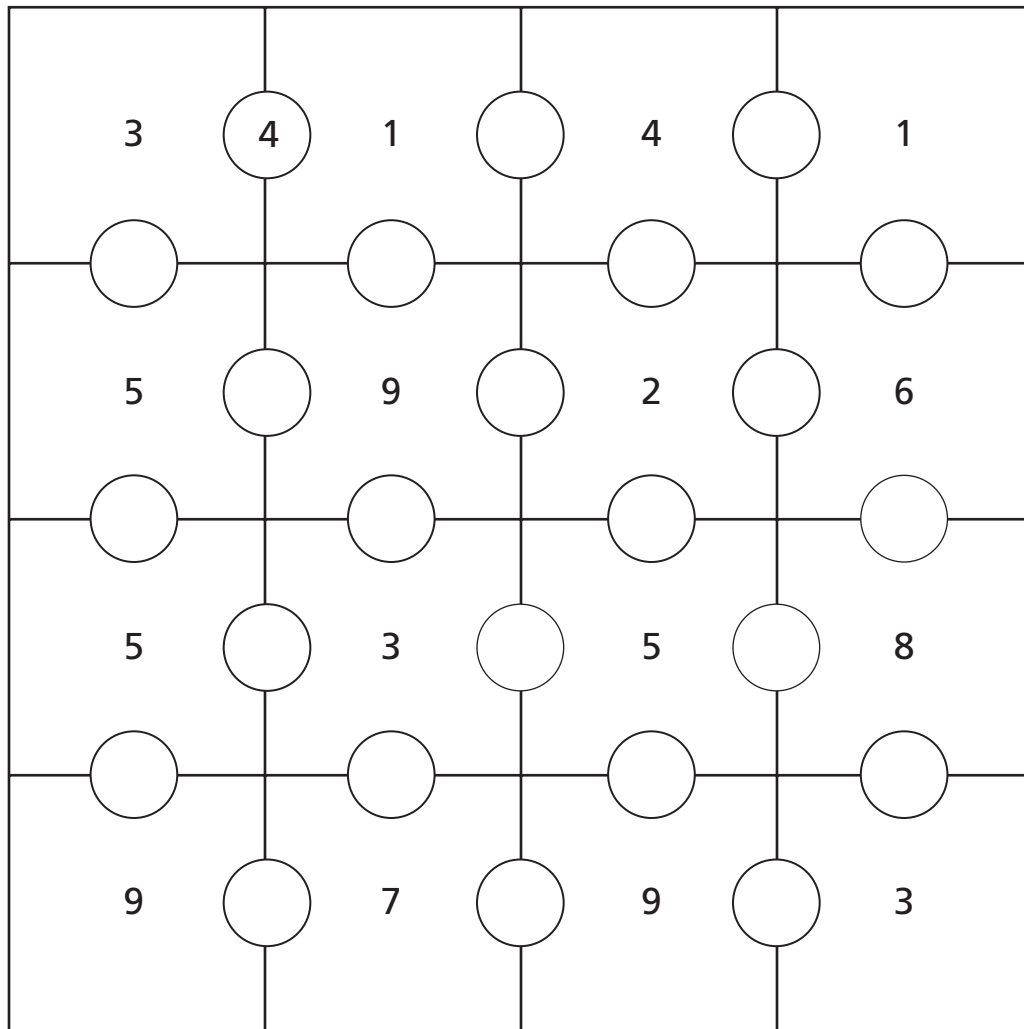
A. 56   **C.** 36

B. 34   **D.** 24

4 Which number sentence does NOT belong to the same fact family as the other ones?

A. $8 + 5 = 13$

B. $8 + 8 = 16$

C. $13 - 8 = 5$

D. $13 - 5 = 8$

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Addition Puzzles

1 Write the sum of two touching boxes in the circle between them.

3	(4)	1	( )	4	( )	1
( )		( )		( )		( )
5	( )	9	( )	2	( )	6
( )		( )		( )		( )
5	( )	3	( )	5	( )	8
( )		( )		( )		( )
9	( )	7	( )	9	( )	3

Test Prep

2 Jorge biked 3 miles north from camp. He turned back and biked 1 mile south to pick up something he dropped. Then he biked 2 more miles north. How far was Jorge from camp?
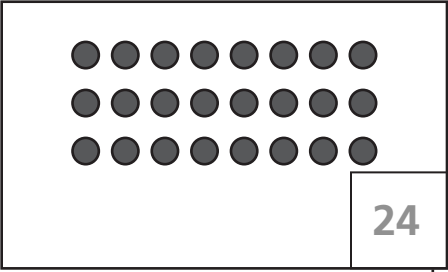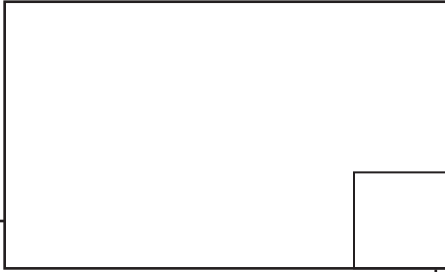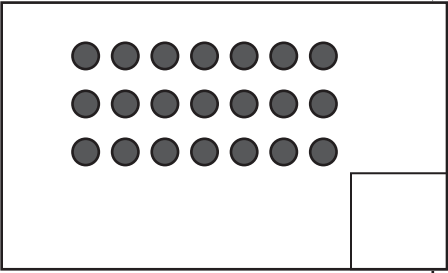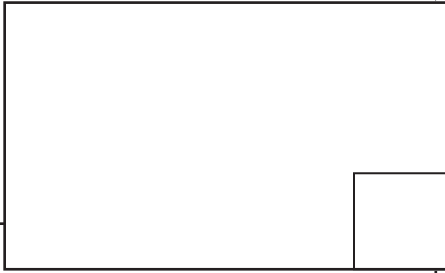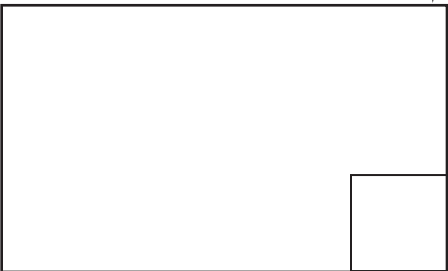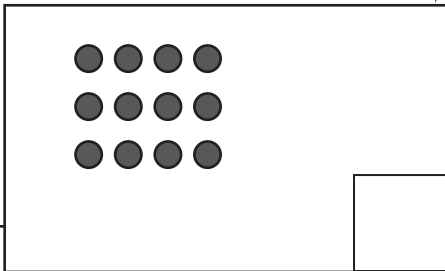
A. 6 miles   **C.** 4 miles

B. 5 miles   **D.** 2 miles

3 Sandy earns $5 for each hour of yard work. This week she earned $20 on Saturday and $15 on Sunday. How many hours of yard work did Sandy do this week?

A. 3 hours   **C.** 5 hours

B. 4 hours   **D.** 7 hours

Counting on a Number Line

① Complete the pictures and write the numbers.

| | 24 | → | total dots 48 | ← | | |

Draw 3 fewer dots in the frame below.

Draw 6 fewer dots in the frame below.

| | | → | total dots | ← | | |

Draw 3 fewer dots in the frame below.

Draw 6 fewer dots in the frame below.

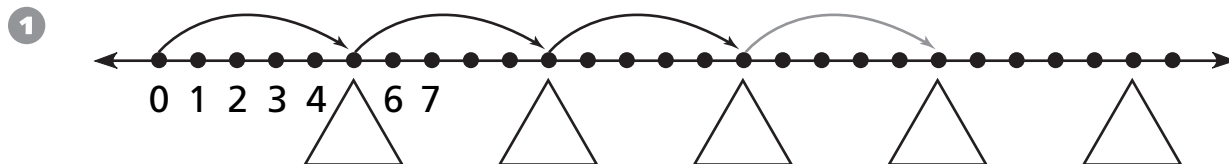| | | → | total dots | ← | | |

Test Prep

② Starr was born in 1962. When she was 20 years old, she decided to go to college. She started her own business 5 years later. Explain how to find out what year Starr started her business.
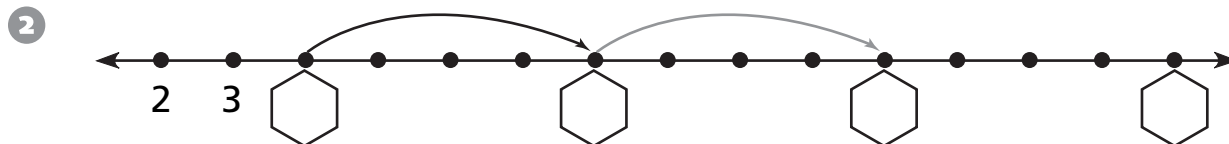
_____

_____

Adding on the Number Line

Use the number line to complete the addition sentences.

1

0 1 2 3 4 6 7

$5 +$ ☐ $= 10$

$15 + 10 =$ ☐

2

2   3

$4 + 4 =$ ☐ $8 + 4 =$ ☐ $12 + 4 =$ ☐

3

2   3   6   9
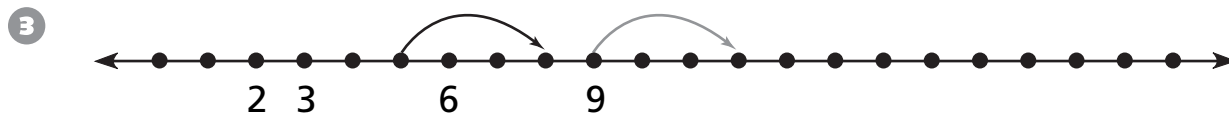
☐ $+ 3 = 8$ $9 +$ ☐ $= 12$ $13 + 3 =$ ☐

Test Prep

4 Mr. Li is bringing orange slices for the 14 boys on his soccer team. If each boy gets 2 slices and each whole orange is cut into 4 slices, how many oranges does Mr. Li need?

A. 7   **C.** 14

B. 10   **D.** 28

Subtracting on the Number Line

Record the jump by drawing an arrow. Complete the number sentence.
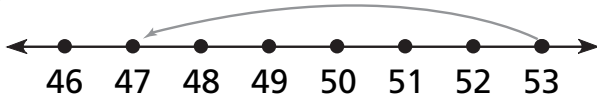
1

46 47 48 49 50 51 52 53

$53 - 6 =$ **47**

2

23 24

$24 - 6 =$ ☐

3

20 21

$21 - 5 =$ ☐

4

80 81

$81 - 4 =$ ☐

5

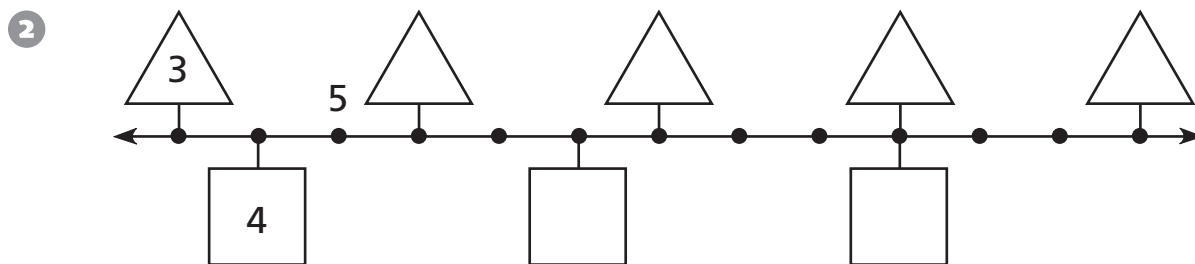31 32

$32 - 6 =$ ☐

6

54 55

$55 - 7 =$ ☐

Test Prep

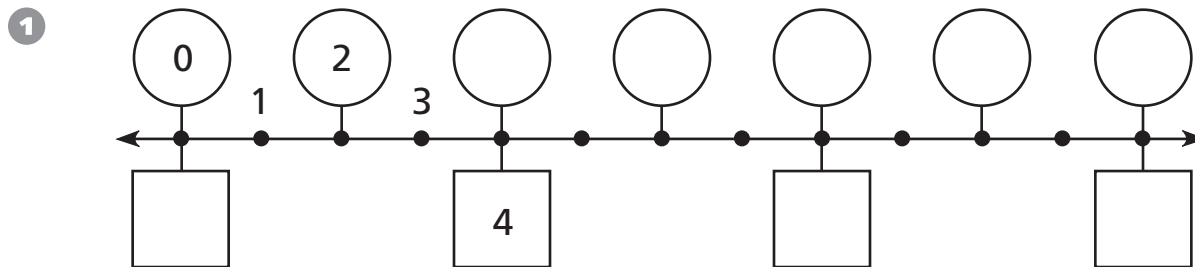**7** A bag of pretzels weighs between 1 and 2 pounds. Which of these could be the weight of a bag of pretzels? (1 pound = 16 ounces)

A. 10 ounces   **C.** 24 ounces

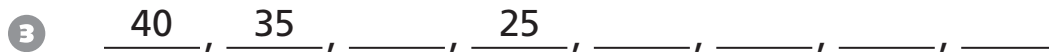**B.** 14 ounces   **D.** 36 ounces

8 Mr. Brown's class is skip-counting by threes. If they start with the number 9, what will the fourth number be?

A. 12   **C.** 15

B. 13   **D.** 18

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Skip-Counting

Write the missing numbers in the shapes.

1

Circle: 0, 2, __, __, __, __, __
Line: 1, 3
Square: __, 4, __, __

2

Triangle: 3, __, __, __, __
Line: 5
Square: 4, __, __

Fill in the missing numbers in the pattern.

3   40 , 35 , _____ , 25 , _____ , _____ , _____ , _____

Test Prep

4 Charlotte is thinking of a number. It is a multiple of 2 and a multiple of 3. It is larger than 5 and smaller than 20. What is the largest number she could be thinking of? Explain how you found your answer.

_____

_____

_____

_____

Finding Missing Parts

Fill in the missing part.

1
$$
\begin{array}{r}
13 \\
-\ \ 7 \\
\hline
\boxed{\ \ } \\
\end{array}
$$

2
$$
\begin{array}{r}
8 \\
+\ \boxed{\ \ } \\
\hline
14 \\
\end{array}
$$

3
$$
\begin{array}{r}
\boxed{\ \ } \\
-\ \ 4 \\
\hline
9 \\
\end{array}
$$

4
$$
\begin{array}{r}
18 \\
-\ \boxed{\ \ } \\
\hline
11 \\
\end{array}
$$

5

$5 \; (+) \; 6 \; = \; \boxed{\ \ } \; (-) \; 4$

6

Total number of stars: $\boxed{\ \ }$

Number of stars crossed out: $\boxed{3}$

Number of stars NOT crossed out: $\boxed{\ \ }$

Test Prep

7 Janice, Marty, and Devon played a computer game. Janice scored 2,876 points, Marty scored 2,699 points, and Devon scored 2,789 points. Who had the highest score? Explain.

_____

_____