

## Operations and Algebraic Thinking

Write the correct answer.

*Show your work.*

- 1 Jonathon had 14 marbles. He gave some to his friend. Now he has only 6 marbles. How many marbles did he give to his friend?

8 marbles

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- 2 There were some plates on a shelf. Jasmine puts 6 more plates on the shelf. Now there are 15 plates on the shelf. How many plates were on the shelf to start?

9 plates

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- 3 Rita has 4 toy horses, 6 toy dogs, and 6 toy cats. She puts all of the toy dogs and cats away. How many toys does she put away?

12 toys

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- 4 There are 8 red balloons, 5 blue balloons, and 2 green balloons in the air. How many balloons are in the air?

15 balloons

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Solve.

5  $8 + \boxed{6} = 14$

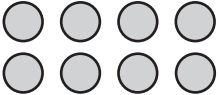
6  $14 - 9 = \boxed{5}$

7  $9 + 0 = \boxed{9}$

8 
$$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$$

Count by 2s. Ring odd or even.

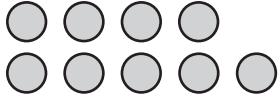
9



odd

even

10



odd

even

Write the number in each row. Write the number in each column. Then write two addition equations for the array.

11


5
5

$$\underline{2} \quad \underline{2} \quad \underline{2} \quad \underline{2} \quad \underline{2}$$

$$\underline{5 + 5 = 10}$$

$$\underline{2 + 2 + 2 + 2 + 2 = 10}$$

12


4
4
4
4
4

$$\underline{5} \quad \underline{5} \quad \underline{5} \quad \underline{5}$$


$$\underline{4 + 4 + 4 + 4 + 4 = 20}$$

$$\underline{5 + 5 + 5 + 5 = 20}$$


## Number and Operations in Base Ten

Count the tens and ones.

Then write the total.


13 

$$\begin{array}{r} 10 \\ \hline \text{Tens} \end{array} + \begin{array}{r} 4 \\ \hline \text{Ones} \end{array} = \begin{array}{r} 104 \\ \hline \text{Total} \end{array}$$

14 

$$\begin{array}{r} 11 \\ \hline \text{Tens} \end{array} + \begin{array}{r} 5 \\ \hline \text{Ones} \end{array} = \begin{array}{r} 115 \\ \hline \text{Total} \end{array}$$

What number is shown?

15 

$$\begin{array}{r} 5 \\ \hline \text{Hundreds} \end{array} \quad \begin{array}{r} 0 \\ \hline \text{Tens} \end{array} \quad \begin{array}{r} 0 \\ \hline \text{Ones} \end{array}$$

16 600

$$\begin{array}{r} 6 \\ \hline \text{Hundreds} \end{array} \quad \begin{array}{r} 0 \\ \hline \text{Tens} \end{array} \quad \begin{array}{r} 0 \\ \hline \text{Ones} \end{array}$$

17 Skip count by 10s. Write the missing numbers.

130    140    150    160    170    180

18 Skip count by 5s. Write the missing numbers.

20    25    30    35    40    45    50

19 Write the number name.

716

seven hundred sixteen

20 Write the number in expanded form.

385 = 300 + 80 + 5

Write <, >, or =.

21 173 < 207

22 172 > 127

**Add or subtract.**

$$\begin{array}{r} 23 \quad 32 \\ - 18 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 24 \quad 47 \\ + 26 \\ \hline 73 \end{array}$$

**Solve.**

- 25 Jason has 23 car stickers, 26 truck stickers, 35 boat stickers, and 14 bicycle stickers. How many stickers does Jason have in all?

98 stickers

- 26 Ari, Ron, and Lisa play a game. Ari scores 14 points, Ron scores 17 points, and Lisa scores 12 points. How many points do they score altogether?

43 points

**Add or subtract.**

27  $174 + 59 =$  233

28  $483 - 265 =$  218

**Solve.**

- 29 Ms. Carver picks 894 cherries. Then she picks 10 more cherries. How many cherries does Ms. Carver pick in all?

904 cherries

- 30 Walter had 397 marbles. He gave 100 marbles to his friend. How many marbles does Walter have now?

297 marbles

- 31 What happens when you add a number to zero? Explain.

Possible explanation: The sum  
is the number you added to  
zero because zero does not  
add anything to the number.

- 32 How does knowing  $8 + 5 = 13$  help you solve  $13 - 5$ ?

Possible answer: Addition and  
subtraction are opposite  
operations. You can use related  
facts to help you solve  $13 - 5$ .

## Measurement and Data

Solve.

- 33** Doug had 21 feet of rope. He used some of the rope. Now he has 15 feet left. How many feet of rope did Doug use?

6 feet

- 34** This clock shows when Cyndi ate dinner last night.



What time did Cyndi eat dinner?

6:35 P.M.

- 35** Write the time a different way.







6 o'clock

- 36** Ana buys a sticker with 2 quarters, 1 dime, and a nickel. How much does Ana pay for the sticker?

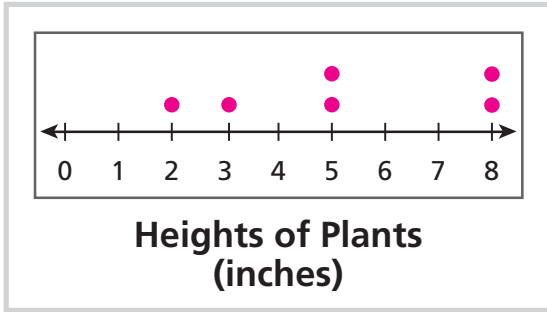
65 cents

Measure the strings to the nearest centimeter.

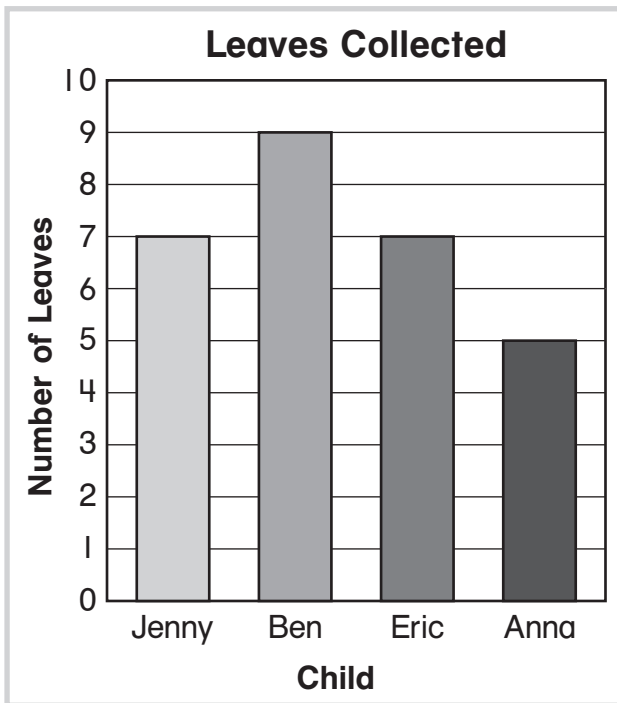
- 37** String A 
- String B 
- String C 
- String D 

String	Length
A	3 cm
B	5 cm
C	7 cm
D	7 cm

- 38** Valeria measures the height of 6 plants. The heights are 5 inches, 8 inches, 2 inches, 5 inches, 3 inches, and 8 inches. Complete the line plot to show Valeria’s data.



Use the bar graph for 39–40.



- 39** Three of Ben’s leaves are oak leaves. The rest are maple leaves. How many maple leaves does Ben have?

**6 maple leaves**

- 40** How many leaves did Jenny and Eric collect altogether?

**14 leaves**

## Geometry

Look at the figures.

41



Figure A

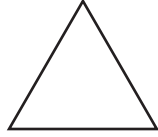


Figure B

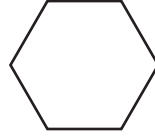


Figure C

Which shape has 6 angles?

Figure C

Name each shape. Choose a word from the box.

cube

hexagon

triangle

pentagon

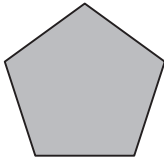
quadrilateral

42



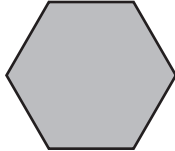
quadrilateral

43



pentagon

44



hexagon

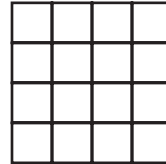
Write the number of small squares.

45



6 squares

46



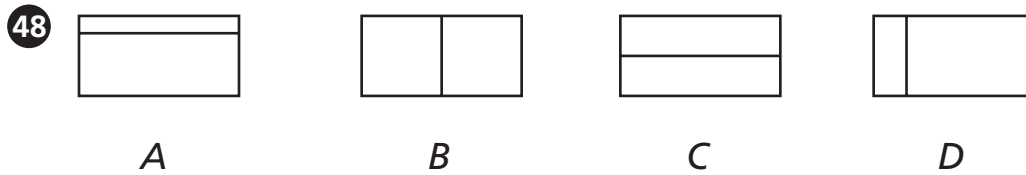
16 squares

- 47 Shade a third of the circle.



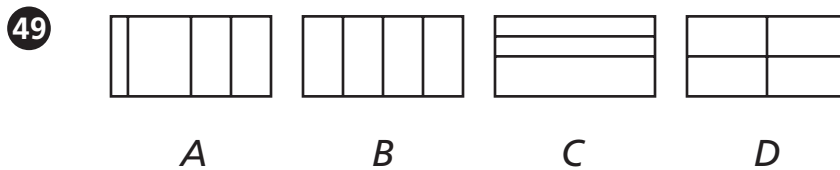
Possible response is shown.

Look at the rectangles.



Which rectangles show two halves?

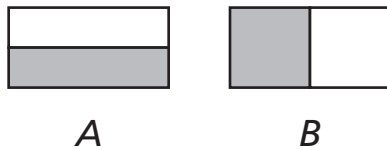
Rectangle B and Rectangle C



Which rectangles show four fourths?

Rectangle B and Rectangle D

- 50 Are the shaded parts equal shares? Explain.



Yes; Possible explanation: Both shaded  
parts are halves of rectangles that are  
the same size.