

Skills Practice

Write how many ones. Then write how many tens.

1. $15 = \underline{1} \text{ ten } \underline{5} \text{ ones}$
 $\underline{10} + \underline{5} = \underline{15}$

tens	ones
1	5



2. $43 = \underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

tens	ones






3. $66 = \underline{\quad} \text{ tens } \underline{\quad} \text{ ones}$
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$

tens	ones

Draw a picture to solve.

4. There are 10  in a box.
 Deb buys 3 boxes.
 How many  will she have?
 _____ pencils

Draw your pictures here.

5. Juan buys 2 boxes of .
 Each box has 10 .
 Juan buys 4 more .
 How many  will Juan
 have in all?
 _____ 

Skills Practice*Place Value to 100***Circle the value of the underlined digit.**

1. 63

6 or 60

2. 48

8 or 80

3. 19

1 or 10

4. 86

8 or 80

5. 27

7 or 70

6. 71

7 or 70

7. 59

9 or 90

8. 15

5 or 50

9. 93

9 or 90

10. 41

1 or 10

11. 52

5 or 50

12. 76

6 or 60

13. 31

3 or 30

14. 29

2 or 20

15. 65

5 or 50

Use place value to solve.**16.** Kai has 59 pennies.

A drink costs 69 pennies.

Does he have enough to
buy the water?

How do you know?

Skills Practice*Problem-Solving Strategy: Use Logical Reasoning***Use *logical reasoning* to solve.****Show your work here.**

1. Zach, Alex, and Jen are on stage. Zach is on the left. Jen is not next to Zach. Who is in the middle?
- _____

2. Lori, Sara, Jill, and Ann are in line. Lori is first. Sara is after Lori. Ann is before Jill. Who is fourth?
- _____

3. Muhammed, Maria, and Chan have tickets. They are numbered 1, 2, and 3. Maria has number 2. Chan does not have number 3. Who has number 3?
- _____

4. Faye, Dan, and Trey are wearing soccer shirts. The shirts are numbered 2, 6, and 7. Dan has number 6. Trey's number is greater than Dan's. Who has number 2?
- _____

Skills Practice*Read and Write Numbers***Write the number or the number words.**1. seventy 70

2. sixteen _____

3. thirty-seven _____

4. twenty-five _____

5. eighty-nine _____

6. twelve _____

7. forty-eight _____

8. ninety-two _____

9. fifty-one _____

10. sixty-three _____

11. 23 _____

12. 45 _____

13. 78 _____

14. 53 _____

15. 13 _____

16. 90 _____

Solve.

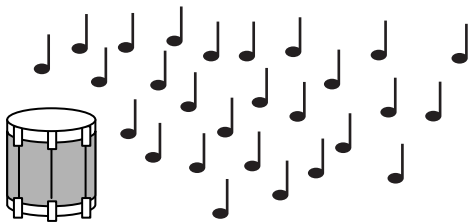
17. Jamal needs to find four numbers using the digits 3 and 4. He named 3 and 34. Name the other two numbers.

18. Which number word do you think is the hardest to spell? Why do you think so?

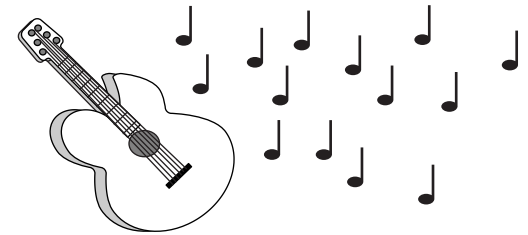
Skills Practice

Estimate Numbers

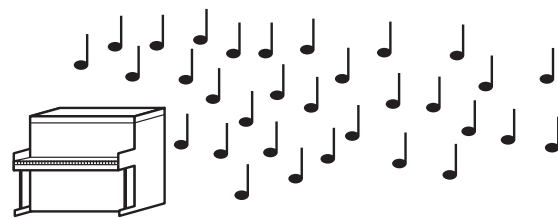
Estimate. Circle your answer.

1. 

about 20 about 50

2. 

about 10 about 60

3. 

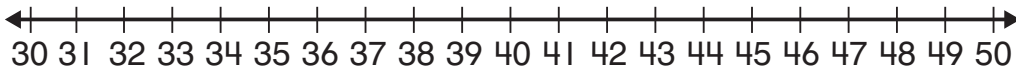
about 30 about 80

4. 

about 10 about 50

Estimate to solve.

5. Mr. Green orders 48 horns for the band. The band has five different sections. Two sections have 10 children. Three sections have more than 10 children. Is there a horn for every child in the band? How do you know?

Skills Practice*Order Numbers*

Use the number line to fill in the blanks.

1. 33, 34, 35 43, _____, 45 34, 35, _____

2. _____, 39, 40 45, 46, _____ 37, _____, 39

3. 39, _____, 41 47, 48, _____ _____, 46, 47

4. 48, 49, _____ 29, _____, 31 _____, 38, 39

5. _____, 38, 39, _____ _____, 31, 32, _____

6. _____, 44, _____, 46 40, _____, _____, 43

7. 37, 38, _____, _____ _____, 39, _____, 41

8. 46, _____, _____, 49 34, 35, _____, _____

Use number order to solve.

9. Cindy drops her notebook.
She picked up pages 28, 29,
32, 33, 34, and 35.

Which pages are missing?

Skills Practice*Compare Numbers***Compare. Write >, <, or =.**

1. $47 \text{ } \textcircled{>} \text{ } 38$

$51 \text{ } \textcircled{\quad} \text{ } 45$

$19 \text{ } \textcircled{\quad} \text{ } 29$

2. $36 \text{ } \textcircled{\quad} \text{ } 36$

$63 \text{ } \textcircled{\quad} \text{ } 72$

$23 \text{ } \textcircled{\quad} \text{ } 29$

3. $95 \text{ } \textcircled{\quad} \text{ } 59$

$43 \text{ } \textcircled{\quad} \text{ } 49$

$78 \text{ } \textcircled{\quad} \text{ } 83$

4. $31 \text{ } \textcircled{\quad} \text{ } 38$

$66 \text{ } \textcircled{\quad} \text{ } 6$

$45 \text{ } \textcircled{\quad} \text{ } 45$

5. $27 \text{ } \textcircled{\quad} \text{ } 47$

$58 \text{ } \textcircled{\quad} \text{ } 81$

$49 \text{ } \textcircled{\quad} \text{ } 37$

6. $83 \text{ } \textcircled{\quad} \text{ } 43$

$76 \text{ } \textcircled{\quad} \text{ } 57$

$58 \text{ } \textcircled{\quad} \text{ } 95$

7. $28 \text{ } \textcircled{\quad} \text{ } 21$

$76 \text{ } \textcircled{\quad} \text{ } 69$

$40 \text{ } \textcircled{\quad} \text{ } 40$

8. $80 \text{ } \textcircled{\quad} \text{ } 59$

$47 \text{ } \textcircled{\quad} \text{ } 59$

$68 \text{ } \textcircled{\quad} \text{ } 89$

Compare numbers to solve.


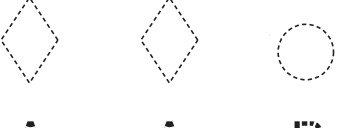
9. Ken has more fruit bars than his sister Keesha. Ken has 7 fruit bars. Write how many fruit bars Keesha may have.

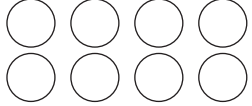
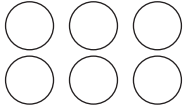
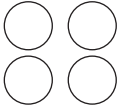
_____ fruit bars

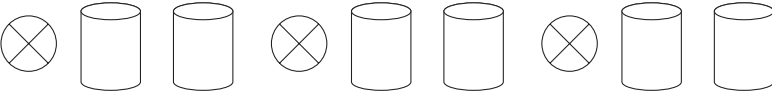
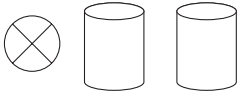
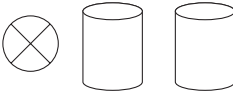
Skills Practice

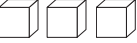
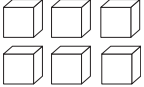
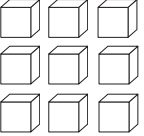
Patterns

Draw a picture to continue the pattern.

1.  
 A A B A A B A A B A A B

2.   
 8 6 4 _____

3.   
 A B B A B B A B B _____

4.   

Solve.

5. Owen paints this border on his picture: star, star, moon. How can he use letters to show his pattern?

6. Kat is building this block pattern: 2 blocks, 4 blocks, 6 blocks. How many blocks should Kat build next?
 _____ blocks

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy and solve.****Problem-Solving Strategies**

Draw a picture

Logical reasoning

Act it out

1. Kyra is feeding 8 ducks. 5 ducks swim away. How many ducks are left for Kyra to feed?

_____ ducks are left

2. Dex does a silly walk. His walk is step, hop, hop, step, hop, hop. How could Dex use A's and B's to show the pattern of his silly walk?

3. Three children are in line to play kickball. Kim is not second. Cedric will kick after Bob. Bob is not first. In what order will they kick?

Show your work here.

Skills Practice*Patterns on a Hundred Chart***Use the hundred chart to skip count.**

1. Skip count by 3s.

30, 33, 36, _____, _____, _____,
_____.

2. Skip count by 6s.

24, 30, 36, _____, _____, _____,
_____.

3. Skip count by 9s.

18, 27, 36, _____, _____, _____, _____.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use a number pattern to solve.

4. Clint has to make shoes for 16 horses. How many shoes will he make?

5. Kayla sees seven spiders in her garden. Each spider has 8 legs.

How many legs does she see?

6. Erika has to name the pattern on the number chart.

What should Erika call this pattern?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Skills Practice*Addition Properties***Find each sum.**

$$\begin{array}{r} 1. \quad 3 \\ + 2 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 2. \quad 5 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 2 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 7 \\ + 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 7 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 7 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 0 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 4 \\ + 6 \\ \hline \end{array}$$

$$13. \quad 8 + 3 = \underline{\quad}$$

$$3 + 8 = \underline{\quad}$$

$$14. \quad 6 + 4 = \underline{\quad}$$

$$4 + 6 = \underline{\quad}$$

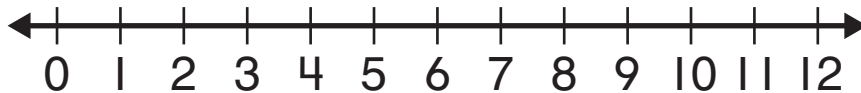
$$15. \quad 3 + 9 = \underline{\quad}$$

$$9 + 3 = \underline{\quad}$$

Solve.

16. There are 2 brown frogs.
There are 8 green frogs.
How many frogs are there?
_____ frogs

17. There are 8 spotted turtles.
There are 2 striped turtles.
How many turtles are there?
_____ turtles

Skills Practice*Count On to Add***You can use a number line to add.****Use the number line. Count on to add.**

$$1. \quad 6 + 1 = \underline{7} \qquad 2 + 3 = \underline{\quad\quad} \qquad 4 + 3 = \underline{\quad\quad}$$

$$2. \quad 1 + 7 = \underline{\quad\quad} \qquad 5 + 2 = \underline{\quad\quad} \qquad 6 + 3 = \underline{\quad\quad}$$

$$3. \quad \begin{array}{r} 3 \\ + 9 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ + 3 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ + 2 \\ \hline \end{array} \qquad \begin{array}{r} 1 \\ + 6 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ + 0 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

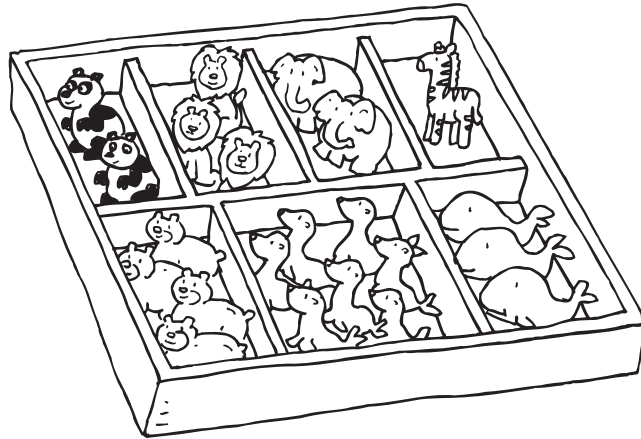
$$4. \quad \begin{array}{r} 8 \\ + 3 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ + 3 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ + 6 \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ + 1 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ + 3 \\ \hline \end{array} \qquad \begin{array}{r} 0 \\ + 4 \\ \hline \end{array}$$

$$5. \quad \begin{array}{r} 7 \\ + 3 \\ \hline \end{array} \qquad \begin{array}{r} 1 \\ + 9 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ + 0 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ + 2 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ + 2 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$$

Solve.


6. A frog jumps over 6 rocks.
Then he jumps over 2 more.
How many rocks does he
jump over?
_____ rocks

7. A turtle lays 4 eggs.
Then she lays 3 more.
How many eggs does she
lay in all?
_____ eggs



Skills Practice*Problem-Solving Strategy: Act It Out***Solve. Use classroom erasers to act it out.**

1. Scott buys all the  and  erasers.

How many erasers does he buy in all? _____

2. Kelly buys all the  erasers.

How many erasers does she have? _____

3. Sara buys all the  erasers. Then she buys all the  erasers.

How many erasers does she have? _____

4. Ted buys all the  and  erasers. Then he buys 8 more erasers.

How many erasers does he have? _____

Skills Practice*Doubles***Add.**

$$1. \quad \begin{array}{r} 3 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + 7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ + 0 \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 3 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ + 8 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$$

$$3. \quad 8 + 3 = \underline{\quad\quad\quad} \quad 9 + 9 = \underline{\quad\quad\quad} \quad 7 + 6 = \underline{\quad\quad\quad}$$

$$4. \quad 6 + 6 = \underline{\quad\quad\quad} \quad 7 + 6 = \underline{\quad\quad\quad} \quad 7 + 7 = \underline{\quad\quad\quad}$$

Solve. Write the number sentence.

5. Cameron buys 6 baseball caps. Deb buys the same number of caps. How many caps do they have altogether?

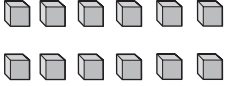
$$\underline{\quad\quad\quad} + \underline{\quad\quad\quad} = \underline{\quad\quad\quad}$$


6. Andy has 9 shirts. His brother has an equal number of shirts. How many shirts do the boys have in all?

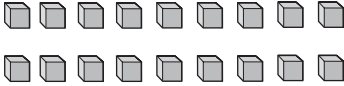
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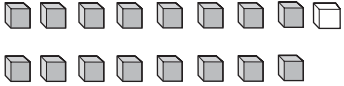
7. Circle all of the doubles facts on this page.

Skills Practice*Near Doubles***Find the sum. Use near doubles to help.**

1.  $\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$

 $\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$

2.  $\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$

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

Find the sum. Use doubles and near doubles to help.

3. $7 + 7 = \underline{\quad}$

<i>one less</i>	<i>one more</i>
$7 + 6 = \underline{\quad}$	$7 + 8 = \underline{\quad}$

4. $5 + 5 = \underline{\quad}$

<i>one less</i>	<i>one more</i>
$5 + 4 = \underline{\quad}$	$5 + 6 = \underline{\quad}$

5. $6 + 6 = \underline{\quad}$

<i>one less</i>	<i>one more</i>
$6 + 5 = \underline{\quad}$	$6 + 7 = \underline{\quad}$

6. $9 + 9 = \underline{\quad}$

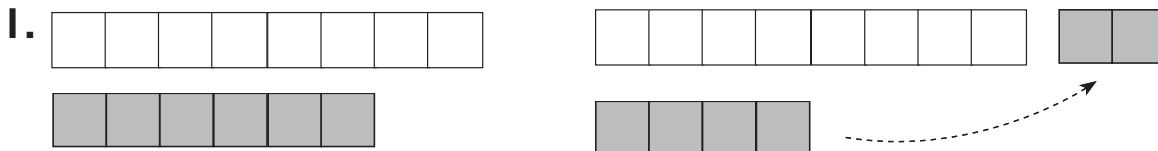
<i>one less</i>	<i>one more</i>
$9 + 8 = \underline{\quad}$	$9 + 10 = \underline{\quad}$

7. Annie sees 4 bullfrogs at the lake. Zack sees 1 less bullfrog than Annie. Write an addition sentence that tells how many bullfrogs they saw.

$\underline{\quad} + \underline{\quad} = \underline{\quad}$ bullfrogs

8. Marcy finds 5 ladybugs. Lee finds 1 more ladybug than Marcy. Write an addition sentence that tells how many ladybugs they found.

$\underline{\quad} + \underline{\quad} = \underline{\quad}$ ladybugs

Skills Practice*Make a 10***Add. Use connecting cubes to help.**

$$\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array} \left. \vphantom{\begin{array}{r} 8 \\ + 6 \\ \hline 14 \end{array}} \right\} \text{ can be changed to}$$

$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$

2. $\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ + 6 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$ $\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$ $\begin{array}{r} 8 \\ + 4 \\ \hline \end{array}$

3. $7 + 4 = \underline{\quad}$ $8 + 8 = \underline{\quad}$ $7 + 8 = \underline{\quad}$

4. $9 + 7 = \underline{\quad}$ $6 + 7 = \underline{\quad}$ $8 + 9 = \underline{\quad}$

Solve.

5. Ali built 8 model airplanes in October. In November she built 6 model airplanes.

How many airplanes has she built in all?

$$\begin{array}{r} 8 \\ \hline \end{array} + \underline{\quad} = \underline{\quad}$$

6. Marty learned to play 7 new songs in January. In February, he learned 5 new songs.

How many songs has he learned in the two months?

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

Skills Practice*Add Three Numbers***Find each sum.**

1.	3 2 <u>+ 3</u> 8	4 5 <u>+ 4</u>	8 0 <u>+ 2</u>	4 3 <u>+ 4</u>	5 4 <u>+ 6</u>	9 1 <u>+ 5</u>
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2.	4 8 <u>+ 2</u>	7 6 <u>+ 6</u>	9 1 <u>+ 4</u>	8 3 <u>+ 8</u>	7 3 <u>+ 6</u>	5 5 <u>+ 5</u>
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3.	4 6 <u>+ 8</u>	3 5 <u>+ 3</u>	0 7 <u>+ 7</u>	2 4 <u>+ 8</u>	8 2 <u>+ 3</u>	3 6 <u>+ 7</u>
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4.	6 5 <u>+ 6</u>	4 4 <u>+ 7</u>	8 2 <u>+ 4</u>	5 3 <u>+ 5</u>	1 9 <u>+ 6</u>	3 8 <u>+ 2</u>
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Solve.

5. Jan has 4 stamps. Tim has 9 stamps. Ben has 4 stamps. How many total stamps do they have?
_____ stamps

6. There are 4 bear stickers, 6 wolf stickers, and 8 fox stickers. How many stickers are there in all?
_____ stickers

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy and solve.****Problem-Solving Strategies**

Draw a picture

Use logical reasoning

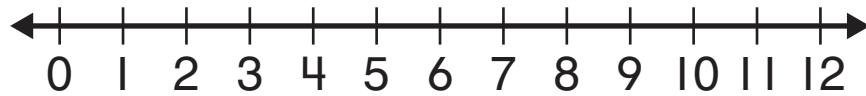
Act it out

1. Mrs. Adler washes 4 sweaters on Monday. On Tuesday, Mr. Adler washes 1 less sweater. How many sweaters have the Adlers washed in all?
- _____ sweaters

Show your work here.

2. Ken has 2 blue shirts, 3 white shirts, and 7 striped shirts. How many total shirts does he have?
- _____ shirts

3. Linda is sewing beads onto her favorite hat. She uses 4 silver beads, 4 clear beads, and 6 gold beads. How many beads in all does Linda use?
- _____ beads

Skills Practice*Count Back to Subtract***Count back to subtract.****Use the number line.**

$$1. \quad 12 - 4 = \underline{\quad\quad} \quad 11 - 3 = \underline{\quad\quad} \quad 7 - 1 = \underline{\quad\quad}$$

$$2. \quad 8 - 3 = \underline{\quad\quad} \quad 6 - 2 = \underline{\quad\quad} \quad 10 - 2 = \underline{\quad\quad}$$

$$3. \quad 9 - 1 = \underline{\quad\quad} \quad 7 - 3 = \underline{\quad\quad} \quad 12 - 3 = \underline{\quad\quad}$$

$$4. \quad 8 - 1 = \underline{\quad\quad} \quad 11 - 2 = \underline{\quad\quad} \quad 8 - 2 = \underline{\quad\quad}$$

$$5. \quad \underline{\quad\quad} = 10 - 1 \quad \underline{\quad\quad} = 7 - 2 \quad \underline{\quad\quad} = 10 - 3$$

Solve.

6. There are 9 dogs playing at the dog park.

3 dogs go home.

How many dogs are left?

_____ dogs

7. There are 11 lions and 2 tigers at the zoo.

How many more lions than tigers are at the zoo?

_____ lions

Skills Practice*Subtract All and Subtract Zero***Subtract.**

$$\begin{array}{r} 1. \quad 7 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 6 \\ - 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 9 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 0 \\ \hline \end{array}$$

Solve.

5. 10 children play ball.
After they finish, all 10 go
back to class.

How many children keep
playing ball?

_____ children

6. 8 girls take a walk.
When they reach the park,
they all keep walking.

How many girls are still
taking a walk?

_____ girls

Skills Practice*Use Doubles to Subtract***Subtract. Circle any problems in which you can use doubles to subtract.**

$$1. \quad \begin{array}{r} 7 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -3 \\ \hline \end{array}$$

$$2. \quad \begin{array}{r} 10 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$3. \quad 7 - 3 = \underline{\quad\quad} \quad 18 - 9 = \underline{\quad\quad} \quad 7 - 7 = \underline{\quad\quad}$$

$$4. \quad 16 - 8 = \underline{\quad\quad} \quad 10 - 3 = \underline{\quad\quad} \quad 14 - 7 = \underline{\quad\quad}$$

Solve.

5. Shaun buys 10 erasers. He gives 5 erasers to Fred.

How many erasers does Shaun have left? What doubles fact can help you?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

Write a number sentence to find how many erasers Shaun has left.

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

 erasers are left

6. Sylvia has 6 markers. She gives 3 markers to Clarice.

How many markers does Sylvia have left? What doubles fact can help you?

$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

Write a number sentence that tells how many markers are left.

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

 markers are left

Skills Practice*Problem-Solving Strategy: Guess and Check***Guess and check.**

1. Mr. Mahan mixes up all the class pens and pencils. He tells the students there are 24 pens and pencils in all. The he says there are 10 more pencils than pens. How many pencils are there in Mr. Mahan's class?
_____ pencils
2. Erica needs 16 more flowers to finish planting her garden. John's Nursery sells flowers in cartons of 4, 9, and 12. Erica bought the two cartons that gave her exactly the right amount. Which size flower cartons did she buy?

3. Gramma Jones just picked 16 tomatoes from her garden. She decided to split the tomatoes evenly among her 4 grandchildren. How many tomatoes does each grandchild get?
_____ tomatoes
4. 13 students volunteer for the annual toy drive. 5 more boys volunteer than girls. How many boys and girls volunteer?
_____ boys _____ girls

Skills Practice*Relate Addition to Subtraction***Use addition facts to subtract.**

1. $8 + 5 = \underline{13}$	$6 + 8 = \underline{\quad}$	$6 + 7 = \underline{\quad}$
$13 - 5 = \underline{\quad}$	$14 - 8 = \underline{\quad}$	$13 - 7 = \underline{\quad}$

2. $4 + 9 = \underline{\quad}$	$8 + 8 = \underline{\quad}$	$6 + 9 = \underline{\quad}$
$13 - 4 = \underline{\quad}$	$16 - 8 = \underline{\quad}$	$15 - 6 = \underline{\quad}$

3. $\begin{array}{r} 3 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array}$
--	--	---	--	---	--

4. $\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 17 \\ - 8 \\ \hline \end{array}$
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5. $\begin{array}{r} 5 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array}$
--	--	---	--	---	--

Solve.

6. There are 16 stamps. Pete uses 8 of the stamps. How many stamps are left?

_____ stamps

7. Megan writes 4 letters on Monday. She writes 9 letters on Tuesday. How many letters does Megan write?

_____ letters

Skills Practice*Missing Addends***Find each missing addend.**

1. $3 + \boxed{9} = 12$

$14 - 7 = \boxed{}$

$\boxed{} + 8 = 14$

2.
$$\begin{array}{r} 4 \\ + 7 \\ \hline \boxed{} \end{array}$$

$$\begin{array}{r} 12 \\ - \boxed{} \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ + 9 \\ \hline \boxed{} \end{array}$$

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

$$\begin{array}{r} 7 \\ + 7 \\ \hline \boxed{} \end{array}$$

$$\begin{array}{r} 15 \\ - 7 \\ \hline \boxed{} \end{array}$$

3.
$$\begin{array}{r} \boxed{} \\ + 5 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 16 \\ - \boxed{} \\ \hline 8 \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \boxed{} \end{array}$$

$$\begin{array}{r} 17 \\ - \boxed{} \\ \hline 8 \end{array}$$

$$\begin{array}{r} \boxed{} \\ + 9 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 14 \\ - \boxed{} \\ \hline 9 \end{array}$$

4.
$$\begin{array}{r} 7 \\ + \boxed{} \\ \hline 10 \end{array}$$

$$\begin{array}{r} 11 \\ - \boxed{} \\ \hline 5 \end{array}$$

$$\begin{array}{r} \boxed{} \\ + 8 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 18 \\ - 9 \\ \hline \boxed{} \end{array}$$

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

$$\begin{array}{r} 15 \\ - \boxed{} \\ \hline 8 \end{array}$$

5.
$$\begin{array}{r} \boxed{} \\ + 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 10 \\ - \boxed{} \\ \hline 4 \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \boxed{} \end{array}$$

$$\begin{array}{r} 16 \\ - \boxed{} \\ \hline 7 \end{array}$$

$$\begin{array}{r} 8 \\ + \boxed{} \\ \hline 17 \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \boxed{} \end{array}$$

Solve.

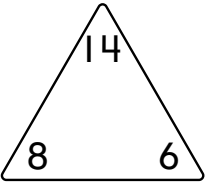
6. Jeff has 9 stamps. He gets 3 more. How many stamps does he have now?

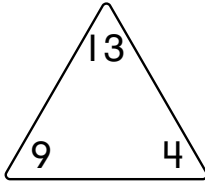
_____ stamps

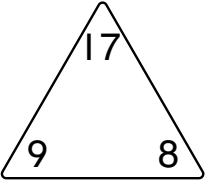
7. Gina has 15 postcards. 7 are from the United States. How many are not from the United States?

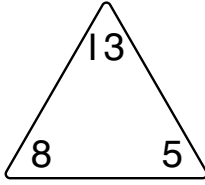
_____ postcards

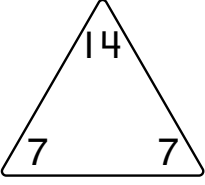
Skills Practice*Fact Families***Complete each fact family.**

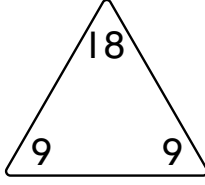
1.  $8 + 6 = \overset{14}{\underline{\quad}}$
 $6 + 8 = \underline{\quad}$
 $14 - 8 = \underline{\quad}$
 $14 - 6 = \underline{\quad}$

2.  $9 + 4 = \underline{\quad}$
 $4 + 9 = \underline{\quad}$
 $13 - 9 = \underline{\quad}$
 $13 - 4 = \underline{\quad}$

3.  $8 + 9 = \underline{\quad}$
 $9 + 8 = \underline{\quad}$
 $17 - 8 = \underline{\quad}$
 $17 - 9 = \underline{\quad}$

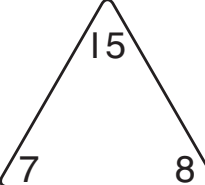
4.  $5 + 8 = \underline{\quad}$
 $8 + 5 = \underline{\quad}$
 $13 - 5 = \underline{\quad}$
 $13 - 8 = \underline{\quad}$

5.  $\underline{\quad} + 7 = 14$
 $14 - 7 = \underline{\quad}$

6.  $\underline{\quad} + 9 = 18$
 $18 - \underline{\quad} = 9$

Solve. Write the number sentences in the fact family.

7. Lucas has 7 toy cars and 8 toy trucks. He has 15 toys in all.
Write the number sentences in the fact family.

 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 $\underline{\quad} + \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$
 $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy and solve.****Problem-Solving Strategies**

Find a pattern

Guess and check

Write a number sentence

1. At the toy store there are 3 toys on the top shelf. 6 toys are on shelf two. 9 toys are on shelf 3. If the pattern continues, how many toys will be on shelf 6?

_____ toys

Show your work here.

2. There are 20 toys in the store window. 5 toys are trains. 4 toys are dolls. 6 toys are airplanes. The rest of the toys are games. How many toys are games?

_____ games

3. Three children are in line to pay for toys. Anna is not second. Ben is in line after Juan. Juan is not first. In what order will the children pay for their toys?

_____ ; _____ ; _____

Skills Practice*Take a Survey*

Use the survey to answer each question.

Ask classmates which hobby they like best. Use tally marks to record the data. Complete the chart.

Favorite Hobby	
Sports	
Building Models	
Painting	
Playing Music	

1. How many tally marks did playing music get?

2. Which hobby has the most tally marks?





















3. Wes is starting a Craft Club. He wants to invite the students who like building models or painting. Write a number sentence to show how many students Wes should invite.

4. Sue wants to add cooking to the chart. Three students decide to change their vote from playing music to cooking. How many tallies are left for playing music?

Skills Practice*Picture Graphs*

**Some students voted for their favorite subject.
Use the tally chart to make a picture graph.**

Favorite Subject	
Science	
Math	I
Reading	
Art	

Favorite Subject							
Science							
Math							
Reading							
Art							

Key: Each symbol stands for 1 vote.

Use the graph to answer each question.

1. How many students voted for Reading?

_____ students

2. How many more students voted for Math than voted for Art? _____ student

3. How many students in all voted for Science and Art? _____ students

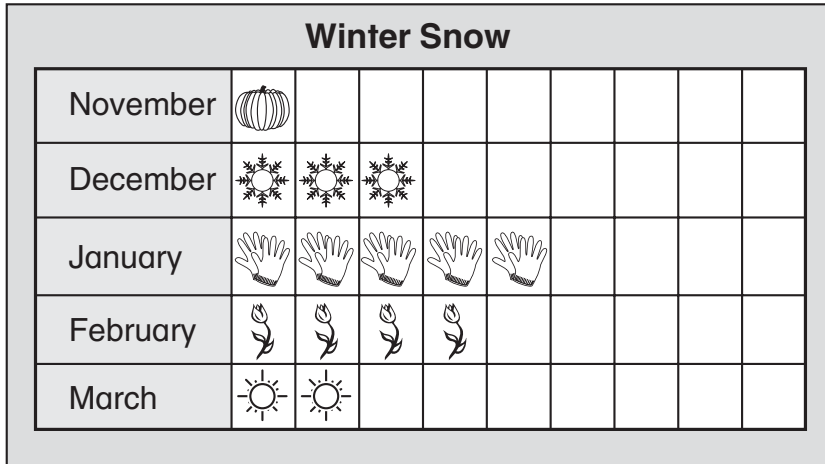
4. Lila wants to vote for the subject with the least votes. Which subject should she vote for? _____

5. Rick, Tom, and Cindy like Science the best. If their votes are added to the survey, will Science have the most votes? _____

Skills Practice

Analyze Picture Graphs

Use the picture graph to answer the questions.



Key: Each symbol = 1 inch of snow

1. What month got the least amount of snow?

2. Which month had more snow, December or February?

3. How many inches of snow fell in January? _____

4. Why do you think the chart stopped at March?

5. Can you think of another way you could record the weather using a picture graph?

Skills Practice*Problem-Solving Strategy: Make a Table***Make a table to solve.****Show your work here.**

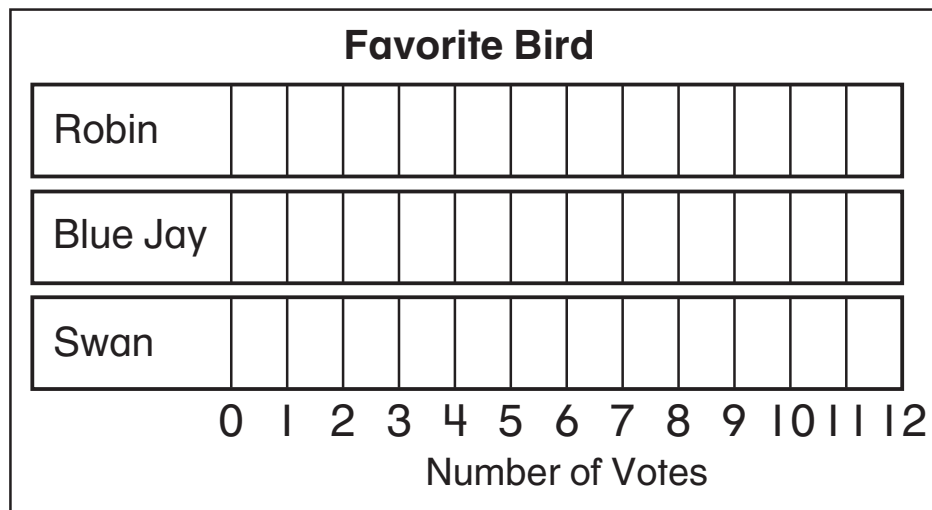
1. The school cafeteria is 60 eggs short for breakfast!
Eggs are sold in cartons of 12.
How many cartons do they need to buy to have enough eggs?
_____ cartons
2. 7 baseball cards come in a pack.
Justin buys 4 packs.
How many cards does he get?
_____ cards
3. In Marisol's high school English class, each student gets 3 different books.
There are 25 students in her class.
How many books do they pass out altogether?
_____ books
4. Sung's favorite snack comes in packages of 5. If he has 1 snack a day, how many packages will Sung need for the next 15 days?
_____ packages

Skills Practice

Bar Graphs

Use the tally chart to make a bar graph. Color one box for each vote. Then answer each question.

Favorite Bird		
Bird	Tally	Total
Robin		
Blue Jay		
Swan		

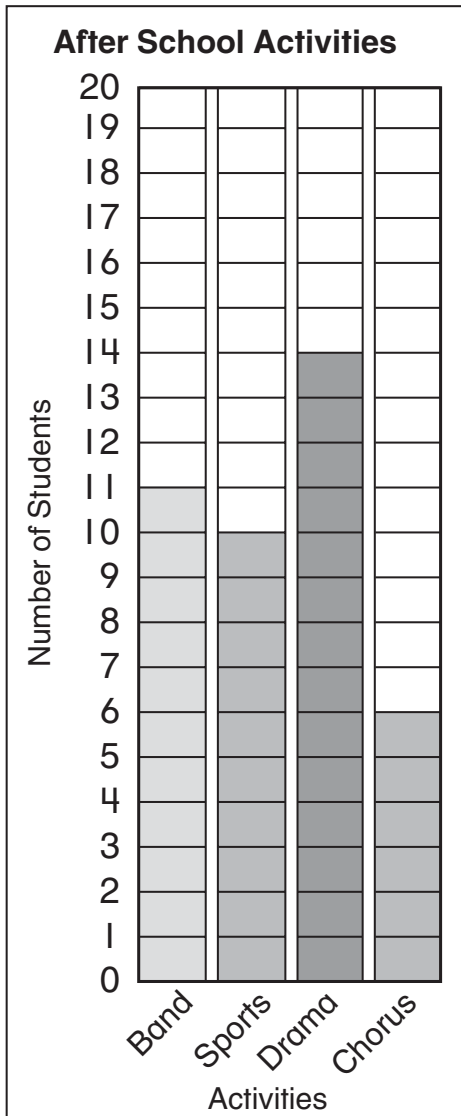


- Which bird got the most votes? _____
- How many more students voted for the *robin* than the *swan*?
_____ students
- Blue jays received _____ votes.
- How many students voted in all? _____ students

Skills Practice

Analyze Bar Graphs





Use the bar graph to complete the sentences.





- Most students stay after school to participate in _____.
- Sports have 4 more students that participate than _____.
- 20 students stay after school for _____ or _____.
- _____ more students participate in Drama than Band.
- How might this graph help the teachers and principal at the school plan activities?

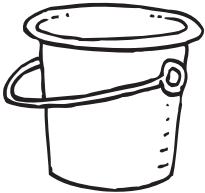
Skills Practice*Describe Events*

Tell if the event is *more likely* or *less likely* to happen.

1. 6 green  and 4 red  are in a bag. You are _____ to pick a green  than a red . Circle.

more likely less likely

2. Place 6 green  and 4 red  in a bag or a bucket. Draw ten times without looking. Record your results in the chart.



Color Chosen	
Color	Tally
Green	
Red	

3. Justin has 8 black socks in his drawer and 12 white socks. If he pulls one sock out of the drawer without looking, is he *more likely* or *less likely* to pull out a white sock? _____

Explain. _____

4. Andrea has a bag of marbles. All her marbles are 2 colors: silver and gold. She has 10 gold marbles in the bag and 5 silver. Is she *more likely* or *less likely* to pull out a silver marble? _____

Explain. _____

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

Draw a picture

Find a pattern

Make a table

Show your work here.

1. Shandra is giving a treat bag to each of her 3 friends. She puts 4 pear slices in each bag. How many pear slices are there in all?

_____ pear slices

2. Liam is writing the number of eggs his hens have. 1 hen has 2 eggs. 2 hens have 4 eggs. 3 hens have 6 eggs. Liam guesses that 4 hens will have 8 eggs. Is this a good guess?

3. Kiki, Greg, and Seth are making snowmen. Each snowman needs 1 carrot for a nose. Kiki brings 4 carrots. Greg brings 2. Seth brings 5. Are there enough carrots to make 12 snowmen? _____

How many can they make?
_____ snowmen

Skills Practice*Add Tens***Add.**

1. 6 tens + 3 tens = _____ tens 3 tens + 2 tens = _____ tens
 $60 + 30 = \underline{\hspace{2cm}}$ $30 + 20 = \underline{\hspace{2cm}}$

2. 30 50 20 10 60
 + 40 + 20 + 30 + 70 + 10

3. 30 40 20 70 40
 + 50 + 20 + 60 + 20 + 40

4. 50 10 30 40 80
 + 10 + 20 + 30 + 50 + 10

Solve.

5. Bob sees 10 trees near his school. He sees 20 trees at the park. How many trees does he see in all?

_____ trees

6. There are 30 kids swimming at the pool. There are 40 kids swimming at the beach. How many kids are swimming in all?

_____ kids

Skills Practice*Count On Tens and Ones***Count on to add. Write the sum.**

1. $43 + 20 = \underline{\hspace{2cm}}$

$35 + 30 = \underline{\hspace{2cm}}$

2. $18 + 40 = \underline{\hspace{2cm}}$

$51 + 10 = \underline{\hspace{2cm}}$

3.
$$\begin{array}{r} 62 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ + 28 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ + 20 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 20 \\ + 49 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ + 11 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ + 40 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 35 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ + 53 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 30 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 44 \\ + 40 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 23 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ + 10 \\ \hline \end{array}$$

Solve.

7. There are 30 children in the second grade. There are 45 children in the third grade. How many children are there in all?

_____ children

8. The school gets 40 new math books. They also get 32 new spelling books. How many new books do they have now?

_____ books

Skills Practice*Problem-Solving Strategy: Work Backward***Solve. Work backward. Show your work.**

1. Ann's dog does 4 more tricks than Ben's dog. Ben's dog does 9 more tricks than Lisa's dog. Lisa's dog does 5 tricks. How many tricks does Ann's dog do?

_____ tricks

3. Dan has twenty fish in 5 different tanks. Ahmal has 8 more fish than Dan. Their friend Andi has 10 more fish than Ahmal. How many fish does Andi have?

_____ fish

5. Dora's Diner has 3 more breakfast specials than the Tip-Top Grill. The Tip-Top Grill has 11 more breakfast specials than Charlie's Cafe. Charlie's Cafe has 6 breakfast specials. How many breakfast specials does Dora's Diner have?

_____ specials

2. Green Stable has 12 more horses than Happy Glen. Happy Glen has 9 more horses than Sun Farm. Sun Farm has 7 horses. How many horses does Green Stable have?

_____ horses

4. In one week, Kitty Rescue saves 12 cats. That same week, Caring Paws saves 6 more cats than Kitty Rescue. Here Kitty Kitty saves 10 more cats than Caring Paws. How many cats did Here Kitty Kitty save?

_____ cats

Skills Practice*Regroup Ones as Tens*Use WorkMat 6 and  to add.

	Add the ones. Add the tens.	Do you regroup?	Write the sum.
1. $15 + 7$	<u>1</u> tens <u>12</u> ones	yes no	$\begin{array}{r} 15 \\ + 7 \\ \hline \end{array}$
2. $34 + 6$	_____ tens _____ ones	yes no	$\begin{array}{r} 34 \\ + 6 \\ \hline \end{array}$
3. $52 + 7$	_____ tens _____ ones	yes no	$\begin{array}{r} 52 \\ + 7 \\ \hline \end{array}$
4. $73 + 5$	_____ tens _____ ones	yes no	$\begin{array}{r} 73 \\ + 5 \\ \hline \end{array}$

Solve.

5. Sam has 93 stamps. Len gives him 4 more. How many stamps does Sam have now?


_____ stamps

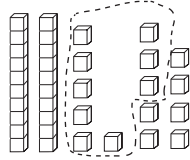
6. There are 17 students in the jump-rope club. 8 more join. How many students are in the club now?

_____ students


Skills Practice*Add One-Digit Numbers and Two-Digit Numbers***Use WorkMat 6 and  to add.**

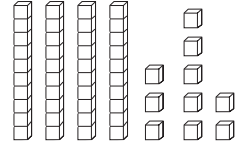
1.

tens	ones
	
2	7
+	9
<hr/>	




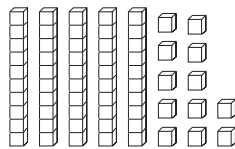
2.

tens	ones
	
4	3
+	7
<hr/>	




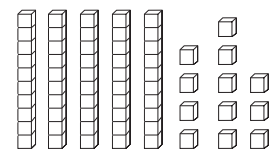
3.

tens	ones
	
5	5
+	7
<hr/>	




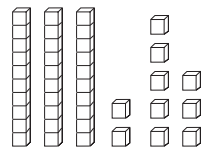
4.

tens	ones
	
5	4
+	8
<hr/>	




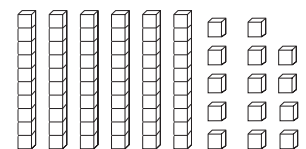
5.

tens	ones
	
3	2
+	8
<hr/>	



6.

tens	ones
	
6	5
+	9
<hr/>	

**Solve.**

7. Jana scores 18 points in the first half of a game. She scores 6 more points in the second half. How many points does she score in all?

_____ points

8. 22 parents come to watch the game. 9 friends also come. How many total people come to watch the game?

_____ people

Skills Practice*Add Two-Digit Numbers*Use WorkMat 6 and  to add.

1.

tens	ones
1	
2	5
+ 1	7

tens	ones
2	4
+ 1	2

tens	ones
3	9
+ 2	5

tens	ones
2	2
+ 2	8

2.

tens	ones
4	9
+ 1	8

tens	ones
2	4
+ 4	9

tens	ones
2	4
+ 3	1

tens	ones
4	6
+ 3	9

Solve.

3. 46 people come to the museum in the morning. 39 more

people come in the afternoon. How many people come to the museum?

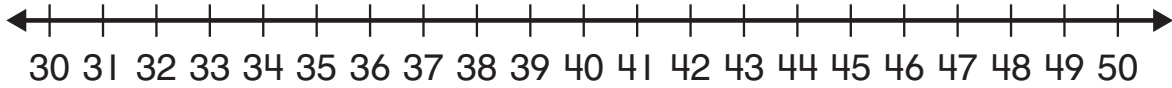
_____ people

4. 20 people go on a tour of the factory in the morning. 17 go on a tour in the afternoon. How many people go on a tour in all?

_____ people

Skills Practice*Estimate Sums*

You can estimate when you don't need an exact answer, or to check addition. A number line can help you estimate.



37 is closer to 40.

37 → 40

28 is closer to 30.

+ 28 → + 30

40 + 30 is 70.

37 + 28 = _____

65

70

65 is close to 70, so the answer is reasonable.

Add. Then round each addend to the nearest ten.

Estimate the sum.

1. $28 \rightarrow 30$

$$\begin{array}{r} + 28 \rightarrow + 30 \\ \hline 56 \quad 60 \end{array}$$

2. $38 \rightarrow$

$$\begin{array}{r} + 49 \rightarrow + \\ \hline \end{array}$$

3. $32 \rightarrow$

$$\begin{array}{r} + 41 \rightarrow + \\ \hline \end{array}$$

4. 48

$$\begin{array}{r} + 33 \quad + \\ \hline \end{array}$$

5. 31

$$\begin{array}{r} + 32 \quad + \\ \hline \end{array}$$

6. 22

$$\begin{array}{r} + 48 \quad + \\ \hline \end{array}$$

Solve. Make an estimate.

7. Hugo has 43 cents. Olive has 48 cents. Together, do they have enough to buy a box of raisins that costs 85 cents? Prove your answer.

8. Kendra has 27 cents. Mikey has 43 cents. Do they have enough money to buy a box of popcorn that costs 90 cents? Explain.

Skills Practice*Add Three Two-Digit Numbers*

Look for two numbers in the ones column that make a ten or a double. Circle them. Add.

$$\begin{array}{r}
 1. \quad \overset{\cdot}{\underset{\cdot}{2}}3 \\
 14 \\
 + \overset{\cdot}{\underset{\cdot}{2}}7 \\
 \hline
 64
 \end{array}$$

$$\begin{array}{r}
 41 \\
 32 \\
 + 12 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 35 \\
 18 \\
 + 25 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 13 \\
 24 \\
 + 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 26 \\
 37 \\
 + 14 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2. \quad 8 \\
 20 \\
 + 12 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 36 \\
 28 \\
 + 32 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 55 \\
 13 \\
 + 14 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 11 \\
 63 \\
 + 24 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 35 \\
 16 \\
 + 34 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 3. \quad 14 \\
 13 \\
 + 14 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 52 \\
 20 \\
 + 11 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 44 \\
 16 \\
 + 22 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 19 \\
 68 \\
 + 12 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 24 \\
 3 \\
 + 25 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \quad 21 \\
 18 \\
 + 21 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 37 \\
 12 \\
 + 27 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 14 \\
 45 \\
 + 3 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 62 \\
 11 \\
 + 23 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 43 \\
 15 \\
 + 22 \\
 \hline
 \end{array}$$

Solve.

5. There are 34 children in first grade. There are 27 in second grade. There are 31 in third grade. How many children are there in all?

_____ children

6. 13 students play the bells. 16 students play the drums. 24 students play the recorder. How many total students play instruments?

_____ students

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

- Draw a picture
- Work backward
- Write a number sentence

1. Mr. Garcia's class buys tickets for the basketball game. They buy 27 children's tickets and 35 adult tickets. The team also gives them 30 free tickets. How many tickets does the class have in all?

_____ tickets

2. At the game there are 18 band members in red. 22 band members wear blue and 31 wear white. How many band members are there in all?

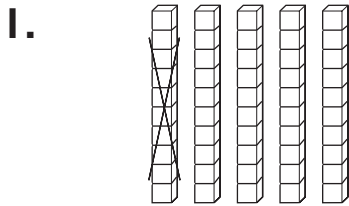
_____ band members

3. At the snack stand, Tony sells 34 bags of popcorn. He sells 25 drinks and 32 hotdogs. How many snacks does he sell in all?

_____ snacks

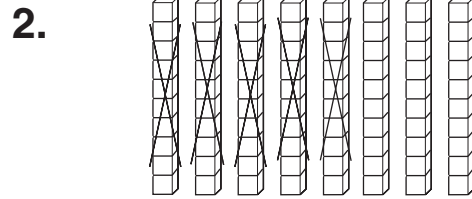
4. Cheryl scores 28 points. Jia scores 12 points more than Cheryl does. Brooke scores 18 more points than Jia. How many points does Brooke score?

_____ points

Skills Practice*Subtract Tens***Subtract tens.**

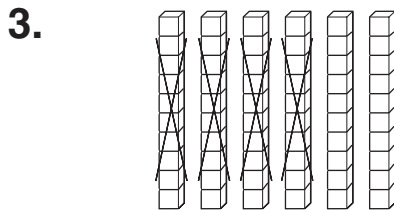
$$5 \text{ tens} - 1 \text{ ten} = \underline{4} \text{ tens}$$

$$50 - 10 = \underline{40}$$



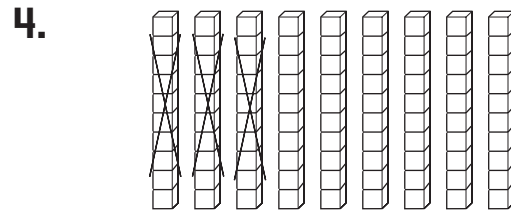
$$8 \text{ tens} - 5 \text{ tens} = \underline{\quad} \text{ tens}$$

$$80 - 50 = \underline{\quad}$$



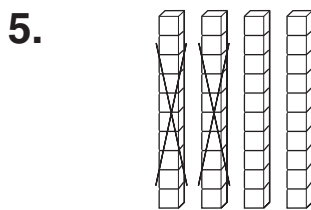
$$6 \text{ tens} - 4 \text{ tens} = \underline{\quad} \text{ tens}$$

$$60 - 40 = \underline{\quad}$$



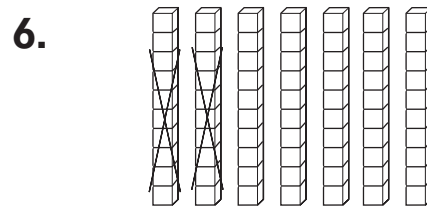
$$9 \text{ tens} - 3 \text{ tens} = \underline{\quad} \text{ tens}$$

$$90 - 30 = \underline{\quad}$$



$$4 \text{ tens} - 2 \text{ tens} = \underline{\quad} \text{ tens}$$

$$40 - 20 = \underline{\quad}$$



$$7 \text{ tens} - 2 \text{ tens} = \underline{\quad} \text{ tens}$$

$$70 - 20 = \underline{\quad}$$

Solve.

7. What is 2 tens from 7 tens? $\underline{\quad} - \underline{\quad} = \underline{\quad}$

8. What is 3 tens from 5 tens? $\underline{\quad} - \underline{\quad} = \underline{\quad}$

Skills Practice*Count Back Tens and Ones***Count back to subtract. Write the difference. Use** **to help.**

1.	$\begin{array}{r} 28 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 64 \\ - 30 \\ \hline \end{array}$	$\begin{array}{r} 36 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 52 \\ - 10 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ - 2 \\ \hline \end{array}$
----	--	---	--	---	--

2.	$\begin{array}{r} 61 \\ - 40 \\ \hline \end{array}$	$\begin{array}{r} 68 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 75 \\ - 50 \\ \hline \end{array}$	$\begin{array}{r} 89 \\ - 20 \\ \hline \end{array}$	$\begin{array}{r} 37 \\ - 3 \\ \hline \end{array}$
----	---	--	---	---	--

3.	$\begin{array}{r} 54 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ - 40 \\ \hline \end{array}$	$\begin{array}{r} 32 \\ - 10 \\ \hline \end{array}$	$\begin{array}{r} 60 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 26 \\ - 10 \\ \hline \end{array}$
----	--	---	---	--	---

4.	$\begin{array}{r} 70 \\ - 30 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ - 20 \\ \hline \end{array}$	$\begin{array}{r} 72 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 55 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 82 \\ - 60 \\ \hline \end{array}$
----	---	---	--	--	---

Solve.

- Lauren has five dimes in her pocket. She spends two of them. How much money does she have left? _____ cents
- Alex has six dimes and seven pennies. He spends four pennies. How much money does he have left? _____ cents
- What is 3 tens from 9 tens? _____ - _____ = _____
- What is 4 tens from 5 tens? _____ - _____ = _____

Skills Practice*Regroup Tens as Ones*Use WorkMat 6 and  to subtract.

	Do you need more ones to subtract?	Write the difference.
1. $32 - 5$	no yes	$32 - 5 = \underline{\quad}$
2. $27 - 8$	no yes	$27 - 8 = \underline{\quad}$
3. $28 - 5$	no yes	$28 - 5 = \underline{\quad}$
4. $55 - 7$	no yes	$55 - 7 = \underline{\quad}$
5. $41 - 6$	no yes	$41 - 6 = \underline{\quad}$
6. $36 - 9$	no yes	$36 - 9 = \underline{\quad}$

Solve.

7. Brian has 42 trading cards. He gives seven to a friend. How many trading cards does Brian have left?

_____ trading cards

8. Sam has 33 cents. He spends 15 at the store. How much money does he have left?

_____ cents

Skills Practice*Problem-Solving Strategy: Write a Number Sentence***Write a number sentence to solve.**

1. Seven kids are in the sandbox. Six more are on the swings. How many kids are there in all?

_____ ○ _____ ○
 _____ kids

2. Erica colors 15 pictures. She gives 11 to her family. How many pictures are left?

_____ ○ _____ ○
 _____ pictures

3. Ben ran 11 miles. Jeff ran 5 miles. How many more miles did Ben run?

_____ ○ _____ ○
 _____ miles

4. Roland mows lawns. He made 22 dollars the first week. He made 7 dollars the next. How much money did he make?

_____ ○ _____ ○
 _____ dollars

5. Nine chickens are eating. Fourteen more chickens join them. How many chickens are eating now?

_____ ○ _____ ○
 _____ chickens

6. Jesse buys 16 game cards. He gives 4 to his friends. How many cards does Jesse have left?

_____ ○ _____ ○
 _____ cards

Skills Practice*Subtract One-Digit Numbers from Two-Digit Numbers***Use WorkMat 6 and  to subtract.**

1.

tens	ones
1	13
2	3
—	9
1	4

tens	ones
3	6
—	9

tens	ones
4	1
—	5

tens	ones
5	8
—	6

2.

tens	ones
4	6
—	7

tens	ones
5	2
—	6

tens	ones
3	7
—	9

tens	ones
6	5
—	8

3. Gary has 72 cents. He spends eight cents. How much does he have now?
_____ cents

4. There are 55 mice in the barn. A cat chases nine of them away. How many mice are left?
_____ mice

Skills Practice*Subtract Two-Digit Numbers*Use WorkMat 6 and  to subtract.

1.

tens	ones
4	15
5	5
– 1	7
3	8

tens	ones
4	5
– 1	2

tens	ones
3	1
–	7

tens	ones
6	2
– 1	8

2.

tens	ones
4	5
– 2	9

tens	ones
2	8
– 1	2

tens	ones
5	6
– 2	7

tens	ones
7	4
– 7	0

3. Phoebe makes 52 cookies for the bake sale. She sells 36 of them. How many cookies are leftover?

_____ cookies

4. There are 41 pumpkins in the field. The farmer sold 17 of them. How many pumpkins are left?

_____ pumpkins

Skills Practice*Check Subtraction***Subtract. Then check by adding.**

$\begin{array}{r} 1. \quad 65 \\ - 21 \\ \hline 44 \end{array}$	$\begin{array}{r} 44 \\ + 21 \\ \hline 65 \end{array}$	$\begin{array}{r} 37 \\ - 14 \\ \hline \end{array}$
$\begin{array}{r} 43 \\ - 25 \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$

$\begin{array}{r} 2. \quad 71 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$	$\begin{array}{r} 54 \\ - 36 \\ \hline \end{array}$
$\begin{array}{r} 81 \\ - 34 \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$

$\begin{array}{r} 3. \quad 95 \\ - 23 \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$	$\begin{array}{r} 63 \\ - 9 \\ \hline \end{array}$
$\begin{array}{r} 48 \\ - 19 \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$	$\begin{array}{r} \\ + \\ \hline \end{array}$

Solve. Check by adding.

4. Students in Mr. Frank's class made 10 pictures. They showed 6 at the art fair. How many were not shown?

_____ pictures

5. Mr. Levine is 53 years old. Mr. Smith is 37 years old. How much older is Mr. Levine?

_____ years older

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy to solve.****Problem Solving Strategy**

- Write a number sentence
- Draw a picture
- Use a model

1. There are 18 frogs in the pond.
There are five frogs in the grass.
How many frogs are there?

_____ frogs

2. Together, Jamie and Alex picked
72 berries. Jamie picked 32.
How many did Alex pick?

_____ berries

3. There are 10 boys and 17 girls
at the mall.
How many kids are there?

_____ kids

4. Ian has five sets of 10 crayons.
He gives three crayons from
each set to his brother.
How many crayons does
Ian have left?

_____ crayons

Show your work here.

Skills Practice*Estimate Differences*

Round each number to the nearest ten. Estimate the difference.

Round up if the number has 5, 6, 7, 8, or 9 ones.
 15 rounds up to 20.
 Round down if the number has 4, 3, 2, or 1 ones.
 14 rounds down to 10.

$$\begin{array}{r} 1. \quad 49 - 31 \quad \quad 50 \\ \quad \quad \quad \quad \quad \quad - 30 \\ \hline \quad \quad \quad \quad \quad \quad 20 \end{array}$$

$$2. \quad 66 - 27 \quad \quad \quad - \underline{\quad\quad}$$

$$3. \quad 77 - 31 \quad \quad \quad - \underline{\quad\quad}$$

$$4. \quad 39 - 31 \quad \quad \quad - \underline{\quad\quad}$$

$$5. \quad 48 - 32 \quad \quad \quad - \underline{\quad\quad}$$

$$6. \quad 89 - 11 \quad \quad \quad - \underline{\quad\quad}$$

Solve.


7. Sharon spent 33 cents at the carnival. Her brother spent 19 cents. About how much more did Sharon spend?


_____ cents

8. Morgan has 32 music CDs. He gives 13 to his brother. About how many music CDs does Morgan have left?

_____ CDs

Skills Practice*Pennies, Nickels, and Dimes***count to find the value.**

1. 
 10 ¢ 20 ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ Total _____ ¢

2. 
 _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢
 Total _____ ¢

3. 
 _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢
 Total _____ ¢


4. 
 _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢
 Total _____ ¢

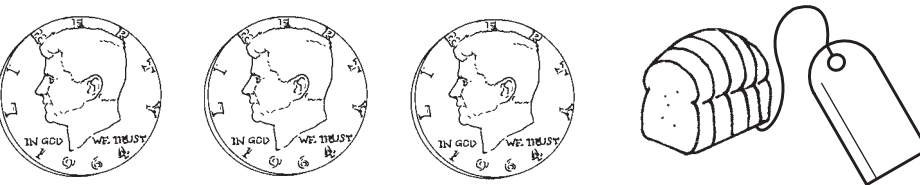
Solve.


5. Jake has six dimes in his pocket.
 How much money does Jake have? _____ ¢
6. Marcia has four dimes. Tia has six nickels.
 Who has more money? _____
7. Sue has 5 nickels. Jill has 5 dimes.
 Who has more money? _____


Skills Practice*Quarters and Half-Dollars*

Count to find the value of the coins. Then write the total in the price tag.

1. 
 _____ ¢ _____ ¢

2. 
 _____ ¢ _____ ¢ _____ ¢

3. 
 _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

4. 
 _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

Solve.


5. Peg has three quarters in her pocket. How much money does she have? _____ ¢

6. Bobby has seven quarters. Cindy has three half-dollars. Who has more money? _____

Skills Practice


Count Coins

Count to find the total amount.

1. 


_____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

total _____ ¢

2. 

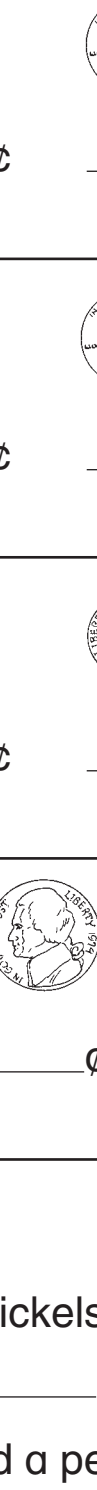
_____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

total _____ ¢

3. 

_____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

total _____ ¢

4. 

_____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢ _____ ¢

total _____ ¢

Solve.

5. Chuck has two quarters and three nickels in his pocket.

How much money does he have? _____ ¢

6. Carrie has two quarters, a dime, and a penny.

How much money does she have? _____ ¢

Skills Practice*Problem-Solving Strategy: Act It Out***Use coins to act out and solve the problems.**

1. Andrea has 52 cents. Her brother gives her a quarter more. How much money does Andrea have?

_____ cents

2. Reese has 50 cents. Gary has 82 cents. How much more money does Gary have?

_____ cents

3. Julio finds 17 cents. Luke finds 24 cents. How much more money does Luke find?

_____ cents

4. Greg has a half-dollar in his pocket. His sister gives him a quarter and a penny. How much money does Greg have now?

_____ cents

5. Miko has 7 pennies, 3 nickels, 1 dime, and 1 quarter. Does she have enough to buy a pen for 50 cents?

6. Nick has 85 cents. He buys a juice box for 2 dimes. How much does he have now?

_____ cents

Skills Practice*Dollar*

Count the coins. Write the value.
Circle the coins that make one dollar.

1.  _____ ¢

2.  _____ ¢

3.  _____ ¢

4.  _____ ¢

Solve.

5. It costs one dollar to ride the merry-go-round. Anna has two quarters, two dimes, five nickels, and five pennies. Does she have enough money? _____
6. Leon has three quarters, one dime, one nickel, and two pennies. A loaf of bread costs one dollar. Does Leon have enough to buy a loaf? _____
7. Sylva has four quarters, a penny, and a nickel. If she buys a puzzle for one dollar, how much will Sylva have left?
 _____ ¢

Skills Practice*Add Money***Add.**

$$\begin{array}{r} 1. \quad 32\text{¢} \\ + 34\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 14\text{¢} \\ + 62\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 22\text{¢} \\ + 49\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 12\text{¢} \\ + 37\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 33\text{¢} \\ + 49\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 32\text{¢} \\ + 65\text{¢} \\ \hline \end{array}$$

Solve.

7. Leroy bought a movie ticket for 75¢. He also bought a magazine for 15¢. Add to find out how much money he spent. Draw the coins for each amount.

Price of a Movie Ticket	Price of a Magazine	Total
 75¢	 15¢	_____

8. Lee has 61¢ in her pocket. Her dad gives her 7¢. How much money does she have now? _____
9. Mr. Adler found 73¢. He had 9¢ in his pocket. How much money does he have in all? _____

Skills Practice*Subtract Money***Subtract.**

$$\begin{array}{r} 1. \quad 63\text{¢} \\ - 41\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 64\text{¢} \\ - 12\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 94\text{¢} \\ - 37\text{¢} \\ \hline \end{array}$$



$$\begin{array}{r} 4. \quad 87\text{¢} \\ - 32\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 77\text{¢} \\ - 41\text{¢} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 28\text{¢} \\ - 26\text{¢} \\ \hline \end{array}$$

Solve.

7. Luke had 75¢. He spent 32¢. Subtract to find out how much money he has now. Draw the coins.

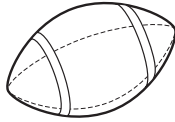
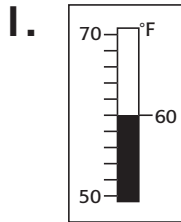
How Much Money Luke Had	How Much Money Luke Spent	What He Has Left
 <p style="text-align: center;">75¢</p>	 <p style="text-align: center;">32¢</p>	_____

8. Logan had 79¢ in his pocket. He spent 17¢. How much money does he have left? _____
9. Mrs. Paul gave 65¢ to her son. He spent 32¢. How much money does he have left? _____

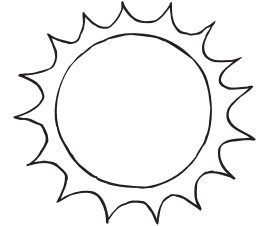
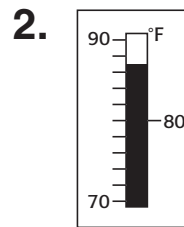
Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategy**

- Act it out
- Choose an operation
- Guess and check
- Draw a picture

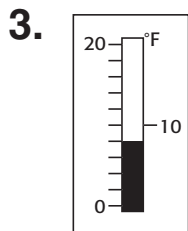
1. Mr. Gary gave his son a quarter. He gave 50¢ to his daughter. How much money did he give his children? _____
2. Amy has a quarter and four nickels. Tony has a dime and eight pennies. How much do they have altogether? _____
3. There are 13 dimes on the table. Five more dimes are in the jar. How many dimes are there in all? _____
4. Jen gets 15¢ a week for allowance. If she saves her money for four weeks, how much money will she have? _____
5. Ted has two quarters in his pocket. His friend gives him a nickel. His teacher gives him two cents. How much money does Ted have now? _____
6. Alex bought an apple for 25¢ and a banana for 16¢. Estimate how much money Alex spent. about _____

Skills Practice*Read Temperature***Write the temperature.**

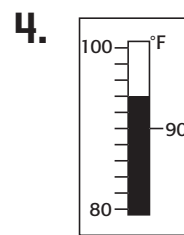
_____ ° F



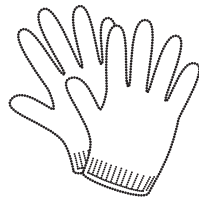
_____ ° F



_____ ° F



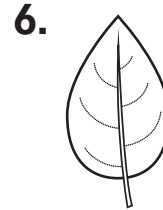
_____ ° F

Estimate the temperature. Circle the answer.

10° F

75° F

90° F



10° F

55° F

90° F

Skills Practice*Estimate Time*

**Estimate the time for each event.
Circle the answer.**

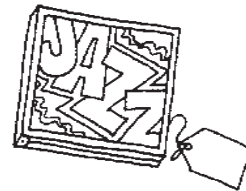
1. unpeel an orange

1 second 1 minute 1 hour



2. listen to a whole CD

1 second 1 minute 1 hour



3. sit down

1 second 1 minute 1 hour



4. putting on your shoes

1 second 1 minute 1 hour



5. plant a garden

1 second 1 minute 1 hour



6. shoot a basketball

1 second 1 minute 1 hour



Skills Practice*Time to the Hour and Half Hour*

Use the clock to tell time to the half hour and hour. Write the time.

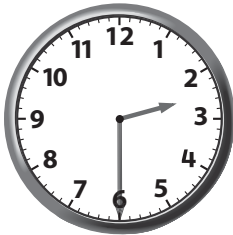
1.



2.



3.



4.



5.



6.



7. At 6:30, where is the minute hand pointing? Where is the hour hand pointing? Explain.

Skills Practice*Problem-Solving Strategy: Look for a Pattern***Look for a pattern to solve.**

1. The City Ballet Company performs 4 times every Sunday. The first 3 shows were at 10:00, 1:00, and 4:00. If the pattern continues what time will their last performance begin?

2. The TV show “Science Man” is having a marathon. Each episode is a half an hour long, and the marathon starts at noon. What time will the 6th episode air?

3. Every hour, a train arrives at City Station. The first train comes at 4:00. What time does the third train come?

4. Tommy and his dad are baking chicken for the awards banquet. Each batch takes an hour and a half. They put the first batch in the oven at 2:00. What time does the third batch go in the oven?

Skills Practice*Time to the Quarter Hour*

Use your clock. Draw the minute hand to show the time.

1.



12:15



12:30



12:45

2.

8:00



8:15



8:30



3.

2:15



2:30



2:45

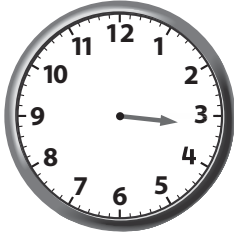


Use a pattern to solve.

4. Stu hears the class bell ring at 10:00, 10:15, and 10:30. At what time will the bell ring next? _____
5. A clock tower chimes every quarter hour. Abby hears the chime at 3:30 and at 3:45. When will the clock chime next?

Skills Practice*Time to Five-Minute Intervals***Draw the minute hand to show the time.**

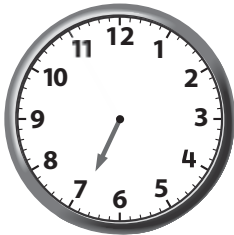
1. 3:15



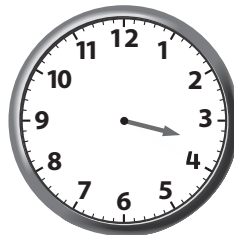
2. 11:50



3. 6:55



4. 3:20



4. 1:25



6. 5:10

**Write the time. Then write something you might be doing at that time of the day.**

7.



8.



9.



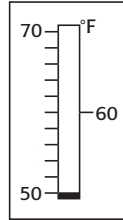
Skills Practice

Use a Thermometer to Gather Data

The Science Club will record the temperature for an entire school week. **Fill in the temperature. Then fill in the bar graph with the results.**

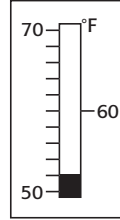
1. Monday:

_____ °F



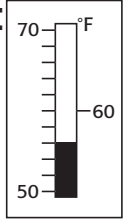
2. Tuesday:

_____ °F



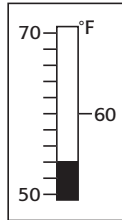
3. Wednesday:

_____ °F



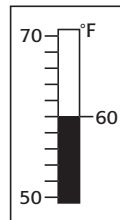
4. Thursday:

_____ °F



5. Friday:

_____ °F



Monday														
Tuesday														
Wednesday														
Thursday														
Friday														

45 47 49 51 53 55 57 59 61 63 65
Temperature

6. What was the coldest day of the week? _____

7. What happened to the temperature between Thursday and Friday? _____

8. How was the temperature on Thursday different from the rest of the week?

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

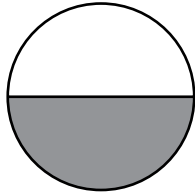
- Make a table
- Act it out
- Draw a picture

Show your work here.

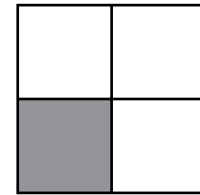
1. Jerome reads 3 pages every 5 minutes. How many pages does Jerome read in 20 minutes?
_____ pages
2. Every day this week it got 3 degrees colder. If it was 65° on Tuesday, what was the temperature on Saturday?
_____ $^{\circ}\text{F}$
3. Students are performing the school play 3 times on Sunday, one after another. If the play is 1 and $1/2$ hours, and the first performance is at 2, when does the last performance begin?

Skills Practice*Unit Fractions***Write the fraction for the shaded part.**

1.

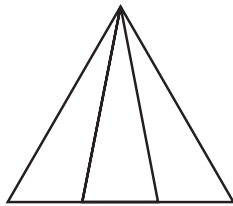


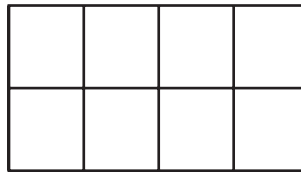
$$\frac{1}{2}$$

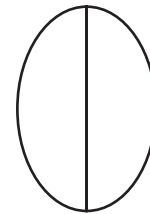



Color part of each figure to show the fraction.

2.



$$\frac{1}{3}$$


$$\frac{1}{8}$$


$$\frac{1}{2}$$
Solve.

3. Lori has a glass of milk. She drinks half of it.

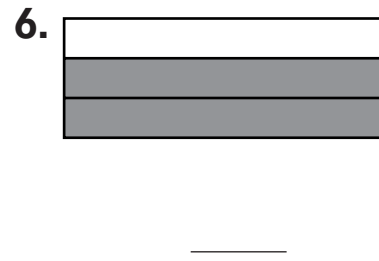
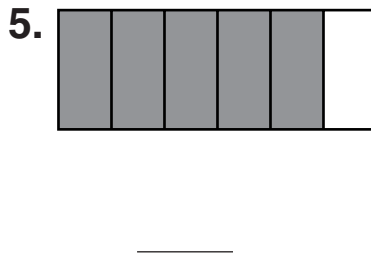
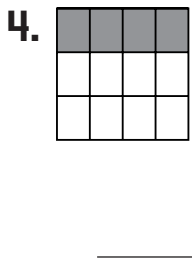
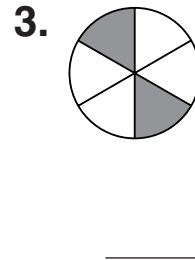
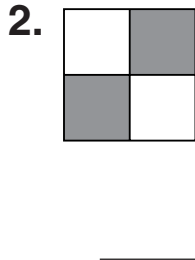
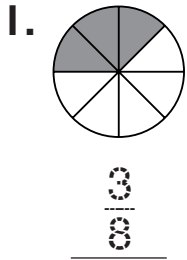
How much milk is left? _____

4. Steven needs a piece of string. He cuts off $\frac{3}{4}$ of the piece of string and uses it. How much string is left?

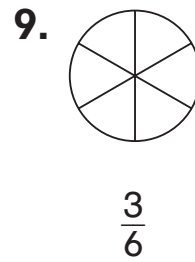
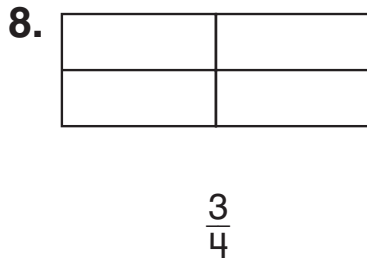
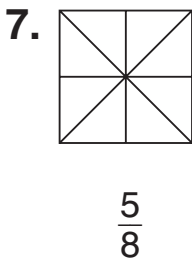
Skills Practice

Other Fractions

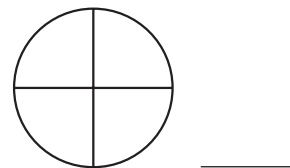
Write the fraction for the shaded part.



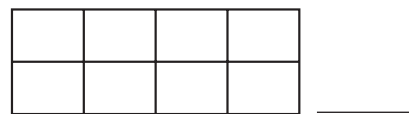
Color part of each figure to show the fraction.



10. Bill eats some pizza. Color three-fourths of the circle to see how much Bill eats. Write the correct fraction.



11. Mr. Li is putting tile in his hall. Color five-eighths of the rectangle to see how much he has done. Write the correct fraction.



Skills Practice*Problem-Solving Strategy: Draw a Picture***Draw a picture to solve. Show your work.**

1. Ben is making a comic strip. First, he draws a rectangle with 5 equal parts. Then, Ben draws in 3 of the parts. What fraction of the comic strip did Ben draw so far?

Ben has drawn _____ of the comic strip.

2. Jose's grandma is making a quilt. The quilt is a rectangle with 9 equal parts. 4 of the parts are green. What fraction of the quilt is green?

_____ of the quilt is green.

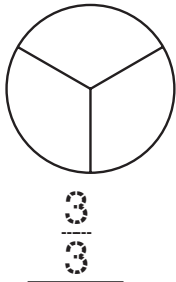
3. Tina cuts a pie into 6 equal slices. She puts whipped cream on two of the slices. She leaves the other slices plain. What fraction shows how many slices are plain?

Tina leaves _____ of the slices plain.

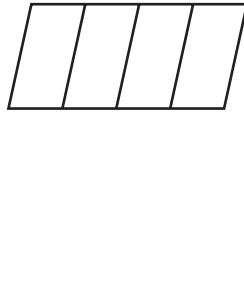
Skills Practice*Fractions Equal to 1*

Count and color all parts of each whole. Then write the fraction for the whole.

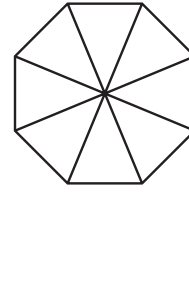
1.



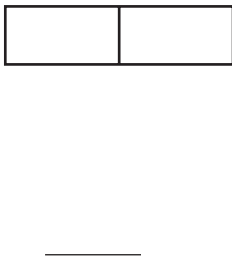
2.



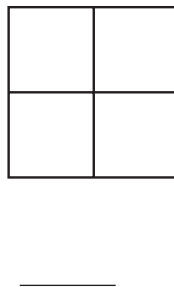
3.



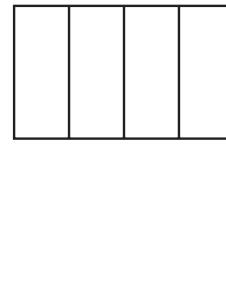
4.



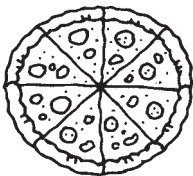
5.



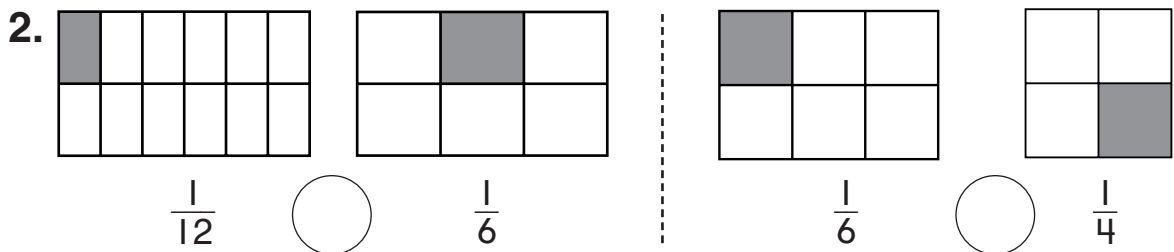
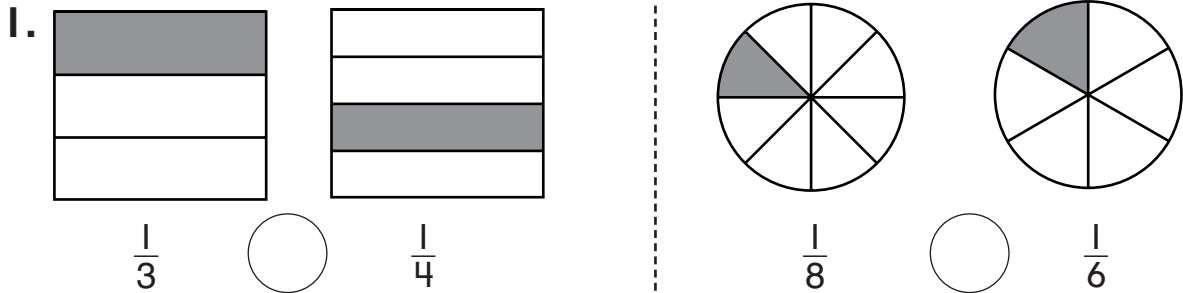
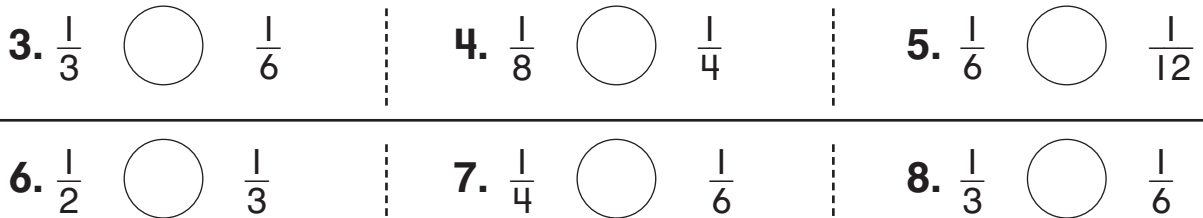
6.



7. Dave has a pizza. It has been sliced into 8 equal pieces and none of it has been eaten. Color each piece. Next to it, write the fraction for the pizza.



8. Dave eats 2 slices of his pizza. What fraction of the pizza did he eat?

Skills Practice*Compare Fractions***Compare the fractions. Then write $<$ or $>$.****Compare the fractions. Use $<$ or $>$.****Solve**


9. Lu and Marta each have a cup of punch. Lu drinks $\frac{2}{3}$ of her punch while Marta drinks $\frac{1}{2}$ of hers. Which girl drinks more punch? Explain.

10. $\frac{1}{12}$ of Lila's scarf is green. $\frac{1}{8}$ of Nick's scarf is green. Whose scarf has more green? Prove your answer.

Skills Practice

Unit Fractions of a Group

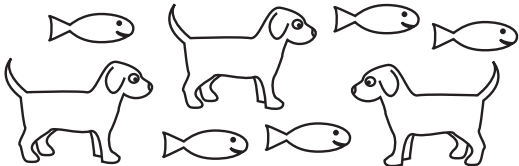
Write the fraction for the shaded part.

1. $\frac{5}{6}$ 

2. 

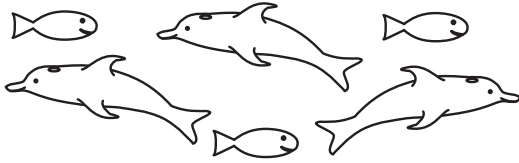
Look at the picture. Write the fraction.

3. What fraction of the animals are fish?



	→ total number of fish
	→ total number of animals

4. What fraction of the animals are dolphins?



	→ total number of dolphins
	→ total number of animals

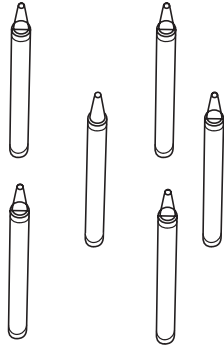
Solve.

5. Molly has 3 black kittens and 5 white kittens. Use a fraction to write how many of the kittens are black. _____

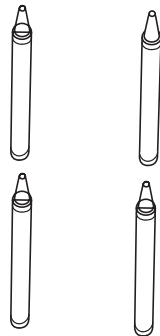
6. The zoo has 7 dolphins and 5 seals. Use a fraction to write how many of the animals are seals. _____

Skills Practice*Other Fractions of a Group***Color to show the fraction of the group.**

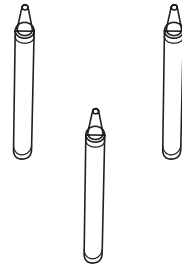
- 1.
- $\frac{5}{6}$
- of the crayons are green.



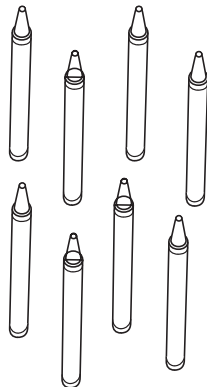
- 2.
- $\frac{3}{4}$
- of the crayons are pink.



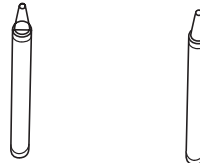
- 3.
- $\frac{3}{3}$
- of the crayons are blue.



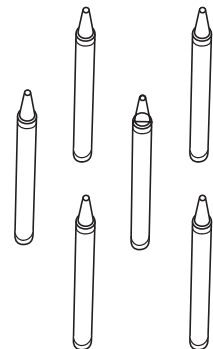
- 4.
- $\frac{3}{8}$
- of the crayons are red.



- 5.
- $\frac{1}{2}$
- of the crayons are yellow.



- 6.
- $\frac{1}{6}$
- of the crayons are orange.

**Solve.**

7. Eric has three black dogs and one spotted dog. Write the fraction for the black dogs. _____

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy to solve.****Problem-Solving Strategies**

- Use a pattern
- Write a number sentence
- Make a table

1. David has 12 fish. 4 of his fish are yellow and 4 are orange. How many spotted fish does David have?
_____ spotted fish
2. Alma cut a melon in halves. She shared $\frac{1}{2}$ with her brother. Her grandparents shared the rest. How much of the melon did Alma eat? _____
3. Megan breaks a muffin into 3 equal pieces. She eats 2 pieces. What fraction of the muffin did she eat?

4. Juan buys 15 marbles to give to friends. He gives 5 marbles to Abby. He gives 6 marbles to Lou. He gives the rest to Jon. What fraction shows how many marbles Jon has?

5. Eve has 13 strawberries. She puts 9 in a tart. She eats the rest. How many strawberries does Eve eat?
_____ strawberries

Skills Practice*Hundreds***Write how many.**

1. 6 groups of ten

$$\underline{6} \text{ tens} = \underline{60} \text{ ones}$$

2. 9 groups of ten

$$\underline{9} \text{ tens} = \underline{\quad} \text{ ones}$$

3. 4 groups of one hundred

$$\underline{\quad} \text{ hundreds} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

4. 2 groups of one hundred

$$\underline{\quad} \text{ hundreds} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

5. 7 groups of one hundred

$$\underline{\quad} \text{ hundreds} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

6. 1 group of one hundred

$$\underline{\quad} \text{ hundred} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

7. 5 groups of one hundred

$$\underline{\quad} \text{ hundreds} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

8. 8 groups of one hundred

$$\underline{\quad} \text{ hundreds} =$$

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ ones}$$

Solve.

9. Elian has 3 groups of straws. Each group has 10 straws.
How many straws does Elian have?

$$\underline{\quad} \text{ tens} = \underline{\quad} \text{ straws in all}$$

10. Kris has 4 groups of 100 blocks. How many blocks does
Kris have?

$$\underline{\quad} \text{ hundreds} = \underline{\quad} \text{ tens} = \underline{\quad} \text{ blocks in all}$$

Skills Practice*Hundreds, Tens, and Ones***Write how many hundreds, tens, and ones.**

1. 736

7 hundreds 3 tens 6 ones

hundreds	tens	ones
7	3	6

2. 263

____ hundreds ____ tens ____ ones

hundreds	tens	ones

3. 518

____ hundreds ____ ten ____ ones

hundreds	tens	ones

4. 185

____ hundred ____ tens ____ ones

hundreds	tens	ones

5. 360

____ hundreds ____ tens ____ ones

hundreds	tens	ones

Solve.

6. Percy has 372 blocks.

How many tens does he have? _____ tens

7. Luis has 613 beads.

How many hundreds does he have? _____ hundreds

8. Dana has 490 stickers.

How many tens does she have? _____ tens

Skills Practice*Problem-Solving Strategy: Make a List***Make a list to solve. Use a separate piece of paper.**

1. Chen chooses where people sit at the picnic. He has 3 seats in a row for Mom, Lien, and Roy. How many different ways can they sit? Write them.

They can sit in _____ different ways.

2. Nina is making a birdhouse. Birdhouse kits come in 3 sizes: big, medium, and small. She can choose from white, blue, or pink paint. How many different birdhouses can Nina make?

Nina can make _____ different birdhouses.

3. A kite tail has space for 3 bows. Rob has a green bow, a blue bow, and a gold bow. How many different ways can Rob tie the bows?

Rob can tie the bows in _____ different ways.

4. Lupé lost her classroom number. She remembers that it has the numbers 2, 3, and 4. How many different three-digit numbers could she try?

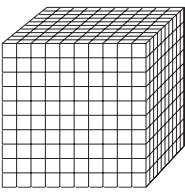
Write them. _____, _____, _____, _____, _____, _____

Lupé could try _____ rooms.

Skills Practice*Place Value to 1,000*

Write how many thousands, hundreds, tens, and ones. Then write the number.

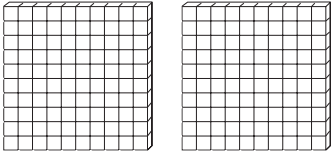
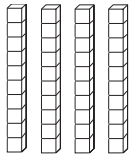

1.

Thousands	Hundreds	Tens	Ones
			

_____ thousand _____ hundreds _____ tens _____ ones

_____ + _____ + _____ + _____ = _____

2.

Thousands	Hundreds	Tens	Ones
			

_____ thousand _____ hundreds _____ tens _____ ones

_____ + _____ + _____ = _____

Solve.

3. The theater sells 142 tickets. Show how many tickets were sold in expanded form.

_____ + _____ + _____ = 142 tickets

4. An airplane flies 640 miles. How many hundreds?

_____ hundreds

Skills Practice*Read and Write Numbers to 1,000***Read the number. Write it in 2 different ways.**

1. $300 + 70 + 2$

hundreds	tens	ones

2. eight hundred forty-one

_____ + _____ + _____ = _____

hundreds	tens	ones

Circle the correct number word.

3. 975

nine hundred fifty-seven

nine hundred seventy-five

4. 193

one hundred ninety-three

one hundred ninety

Solve.

5. There are 429 students at Linden School. Cora wants to write the number in words for a newsletter. What should she write?

_____ students

6. Marco lives at nine hundred thirty-one Maple Street. Use expanded form to show Marco's address.

_____ + _____ + _____ = _____ Maple Street

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

Make an organized list

Write a number sentence

Use a model

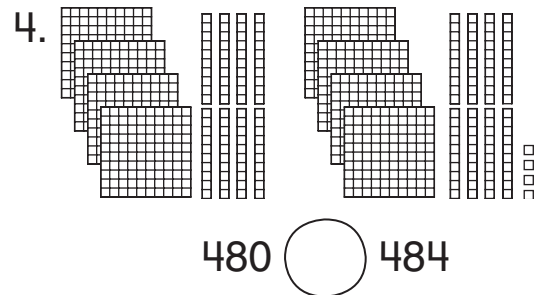
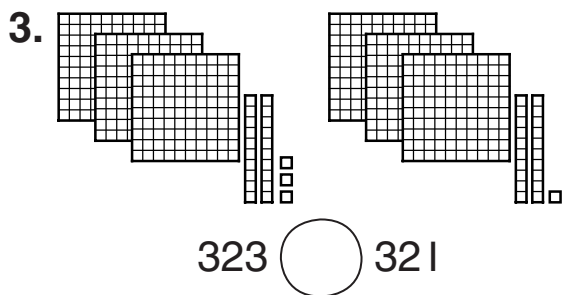
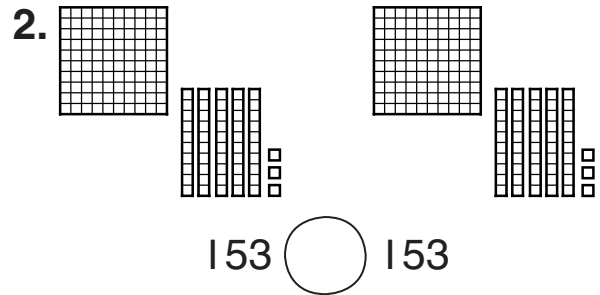
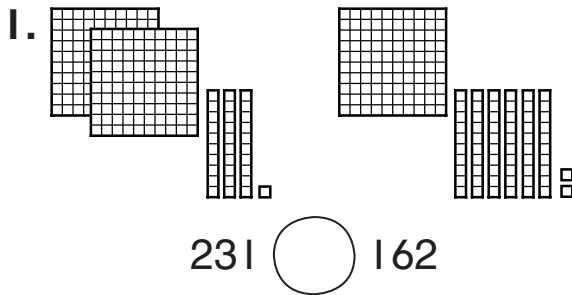
1. Naomi is playing a word game. She must write down how many ways to combine the letters N, O, and T. How many ways are there?

There are _____ ways for Naomi to combine N, O, and T.

2. Maria's bean jar has less than 734 beans. The jar has greater than 732 beans. What is the number word for how many beans in Maria's jar?

_____ beans

3. Franklin writes the number word four hundred ninety-one. If he shows the number in cubes, how many tens will there be? _____
4. Jin's family brings three hundred twenty-five tarts to the bake sale. They sell ten this morning. How many tarts are left to sell? _____

Skills Practice*Compare Numbers***Compare. Write $>$, $<$, $=$.**

5. 278 ○ 287

679 ○ 677

908 ○ 908

Write *greater than*, *less than*, or *equal to*. Solve.

6. Ms. Smith has 541 books. Mr. Costa has 529 books.

541 is _____ 529.

Who has the greater number of books? _____

7. The third grade sold 239 raffle tickets. The second grade sold 401 raffle tickets.

239 is _____ 401.

Which grade sold less raffle tickets? _____

Skills Practice*Order Numbers***Order the numbers from *greatest to least*.**

1. 354, 674, 359 _____, _____, _____

2. 592, 952, 951 _____, _____, _____

3. 808, 873, 782 _____, _____, _____

Order the numbers from *least to greatest*.

4. 423, 444, 324 _____, _____, _____

5. 192, 157, 132 _____, _____, _____

6. 745, 867, 748 _____, _____, _____

7. 168, 186, 166 _____, _____, _____

Solve.

8. Sen's 4 friends live on the same street. She writes down their house numbers.

234 1423 324 403

How can Sen write the house numbers from *greatest to least*?

_____, _____, _____, _____

9. Now Sen wants to write the house numbers from *least to greatest*. What should the second house number be? _____

Skills Practice*Number Patterns*

Write the missing numbers. Then write the pattern.

1. 715, 725, 735, 745, 755

Each number is _____.

2. 491, _____, 691, _____, 891

Each number is _____.

3. _____, 839, _____, 837, 836

Each number is _____.

4. _____, 595, 495, 395, _____

Each number is _____.

5. 599, 589, 579, _____, _____

Each number is _____.

Use the pattern to solve.

6. The numbers have fallen off of two houses on Ivy Street. Write the missing house numbers.

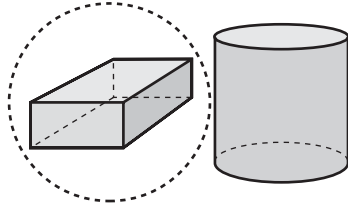
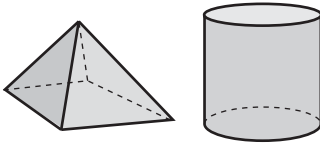
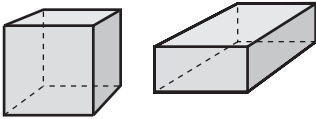
345, 355, _____, 375, _____, 395.

7. Five students are lined up for a race. Each student is wearing a number. Which students are missing?

708, 608, 508, _____, 308, _____

Skills Practice*Three-Dimensional Figures*

Circle the three-dimensional figure. Write the name of something in your classroom or outside that is this figure.

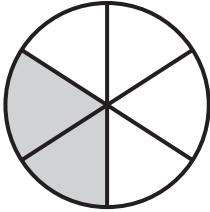
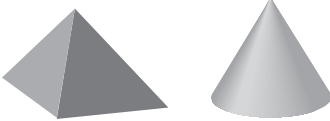



Name	Solid Figure
1. rectangular prism	
2. cylinder	
3. cube	

Solve.

4. Look over this page. Ryan's soup can looks like one of these figures. What figure is Ryan's soup can? _____
5. Becky is looking for figures that can stack. What figures do you see that can stack? _____
- _____

Skills Practice*Faces, Edges, and Vertices*

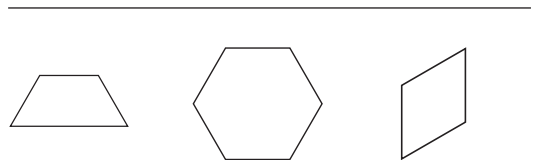
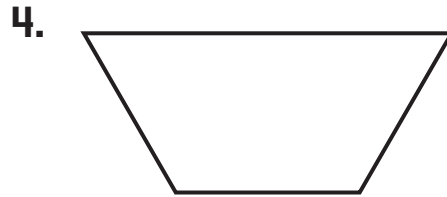
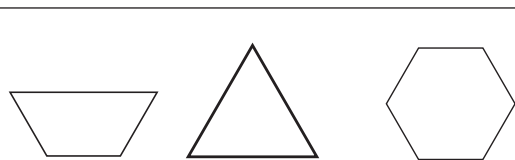
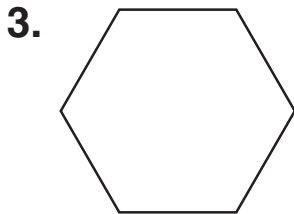
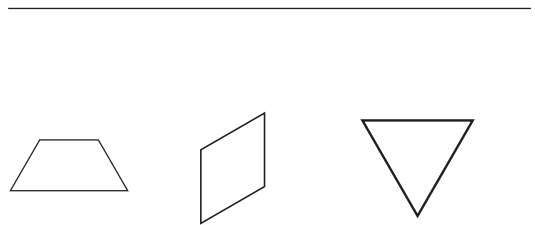
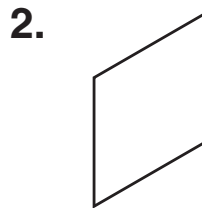
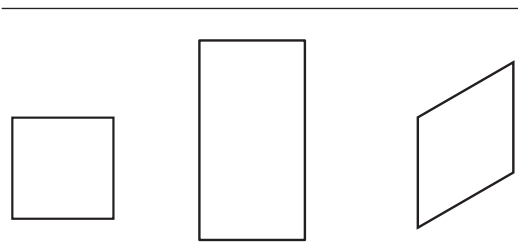
Circle the three-dimensional figure that is named.
Write how many faces, vertices, and edges it has.

Name	Figure	Faces	Vertices	Edges
1. rectangular prism		6	8	
2. cone				
3. cube				
4. pyramid				
5. sphere				

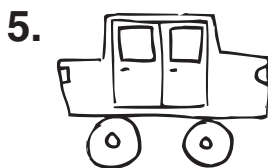
Skills Practice

Two-Dimensional Figures

Write the name of the figure. Then circle the object that matches the figure.



Pat drew this picture.



How many circles? _____ circles

How many squares? _____ squares

How many rectangles? _____ rectangles

Skills Practice*Problem-Solving Strategy: Look for a Pattern***Find a pattern to solve. Write your answer.**

1. Josh is drawing figures.

He draws .

Is he drawing a pattern? _____

2. Leo sees this pattern on a poster.



What three figures come next?

3. Martha is coloring a row of circles. She colors them red, blue, blue, red, blue, and blue. Is there a pattern? _____ Write the pattern. _____
4. One elephant has one trunk, two ears, and four legs. Two elephants have eight legs. How many legs do five elephants have? _____ legs
5. For one week, Rob and Katie worked for a neighbor. Rob earned \$3 a day and Katie earned \$4 each day. How much money did they have at the end of seven days?

Skills Practice

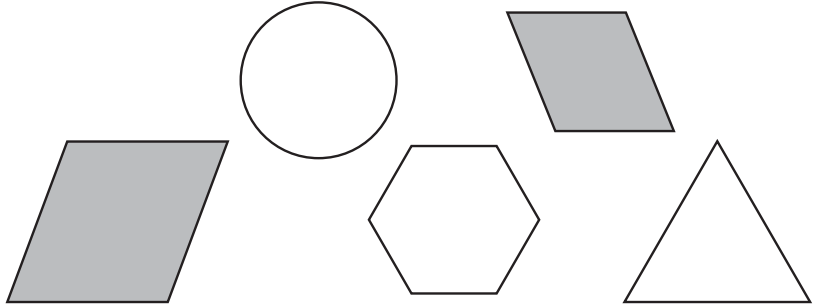
Sides and Vertices

Read the name of the figure. Color it. Tell how many sides and vertices it has.

1. parallelogram

4 sides

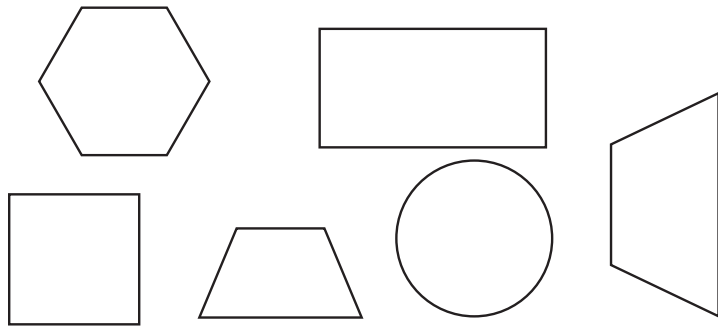
4 vertices



2. trapezoid

_____ sides

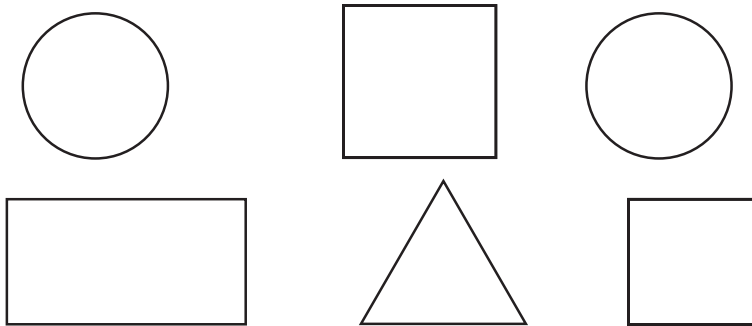
_____ vertices



3. circle

_____ sides

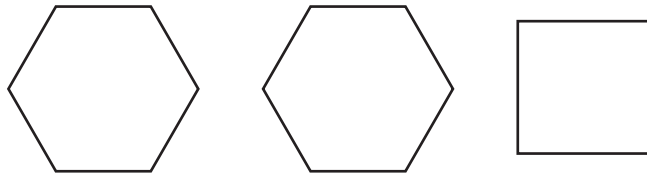
_____ vertices



4. hexagon

_____ sides

_____ vertices

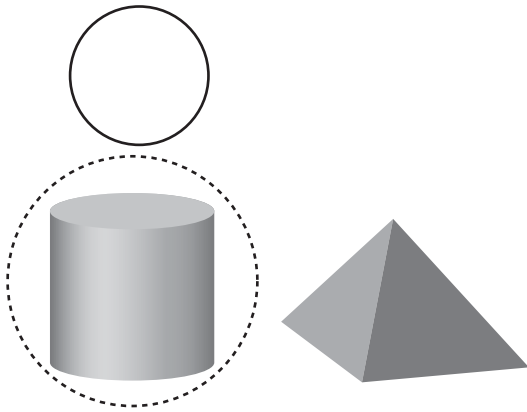


Skills Practice

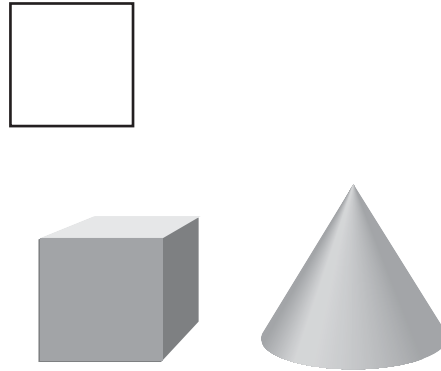
Compare Figures

Look at the plane figure in each problem. Circle the solid figure that is like the plane figure.

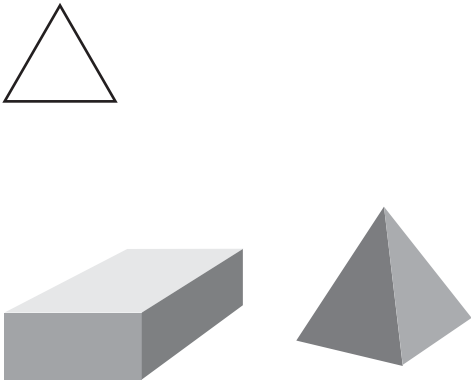
1.



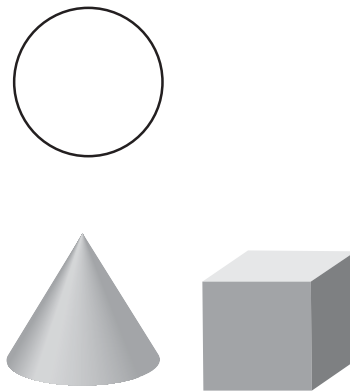
2.



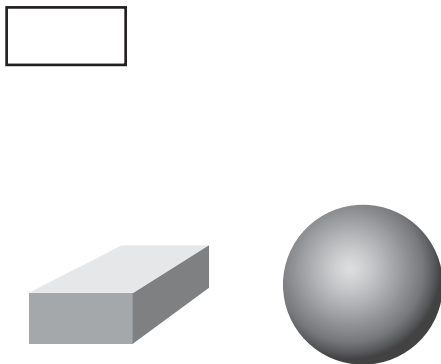
3.



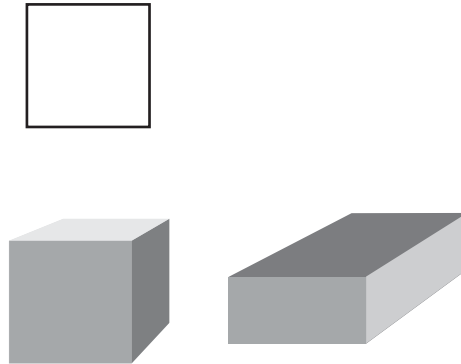
4.



5.



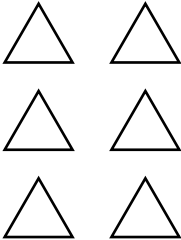
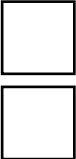
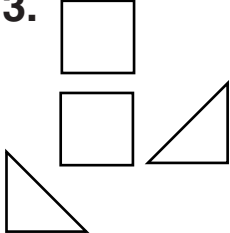
6.



Skills Practice

Make New Figures

Use pattern blocks to make new figures. Complete the chart.

Pattern Blocks	New figure	How many sides?	How many vertices?	Name of new figure
1. 		_____	_____	
2. 		_____	_____	
3. 		_____	_____	

Solve. Use pattern blocks to help.

4. Take a hexagon apart. What figures did you get?

5. Take a rectangle apart. What figures did you get?

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

- Draw a picture
- Act it out
- Guess and check

1. You have 5 coins that total 72¢. What coins do you have?

2. Jeff says he wants to draw a cube. How many faces and vertices will he have to draw?

_____ faces and _____ vertices

3. Mr. Green told his class to draw a pattern using 3 figures.

Meg made this pattern: 

Is there a pattern? _____

Draw a pattern with Meg's figures.

4. Two numbers have a difference of three and a product of 40. What are the numbers?

_____ and _____

5. I have two faces. I also have no edges or vertices. What figure am I?

Skills Practice*Locate Points on a Number Line***Locate and name a point on the number line.**

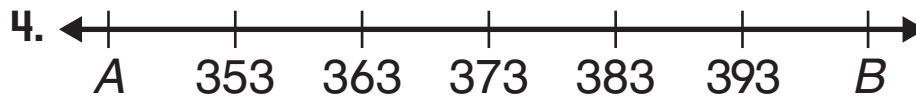
$$706 = \underline{\hspace{2cm}}$$



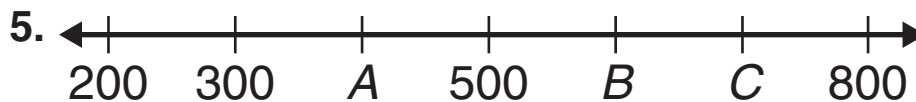
$$\text{Point } B = \underline{\hspace{2cm}}$$



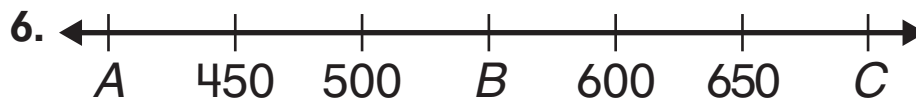
$$230 = \underline{\hspace{2cm}}$$



$$\text{Point } B = \underline{\hspace{2cm}}$$



$$\text{Point } C = \underline{\hspace{2cm}}$$



$$\text{Point } B = \underline{\hspace{2cm}}$$

11-10

Skills Practice

Coordinate Graphs

Find each point on your graph.
Circle the object at that point.



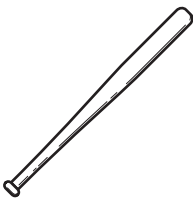
_____ 3 → _____ 3 ↑



_____ → _____ ↑



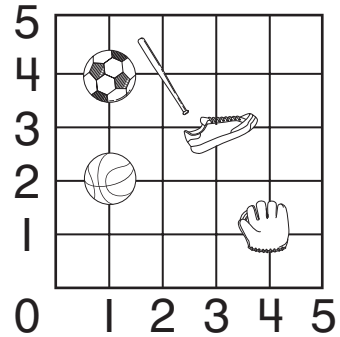
_____ → _____ ↑



_____ → _____ ↑



_____ → _____ ↑



Skills Practice


Nonstandard Units

Find the object. Estimate. Then use  to measure.



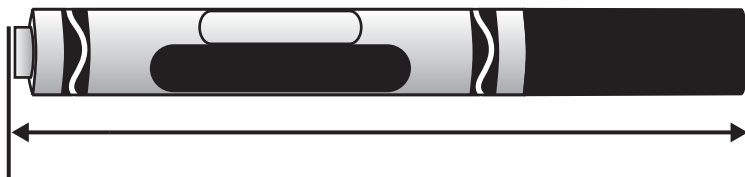
Estimate: about _____  Measure: about _____ 



Estimate: about _____  Measure: about _____ 

Solve.

3. Jim wants to measure his marker with cubes and paper clips. About how many of each unit?

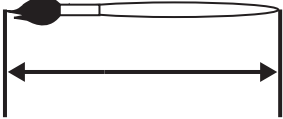
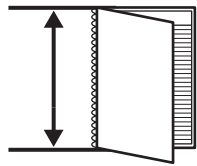
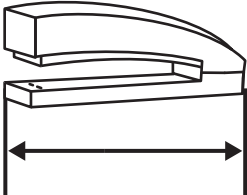


about _____  about _____ 

Are your answers the same or different? Explain why.



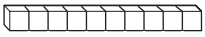
Skills Practice*Measure Inches Using Models*

Find the object. Estimate.
Then use an inch ruler to measure.

Find	Estimate	Measure
1. 	about _____ inches	_____ inches
2. 	about _____ inches	_____ inches
3. 	about _____ inches	_____ inches

Solve.

4. Ali makes a row of 75¢ in quarters. Each quarter is about one inch long. About how long is Ali's row of quarters? Tell how you know. The row is about _____ inches long.

5. Lu measured one . It was about 4 inches. She put 3  end to end. About how long was the line of three ? Tell how you know.

The line is about _____ inches long.

Skills Practice*Problem-Solving Strategy: Guess and Check***Guess and check to solve.**

1. Luis wants to break this chalk into 2 equal pieces. He wants each piece to be 2 inches long.

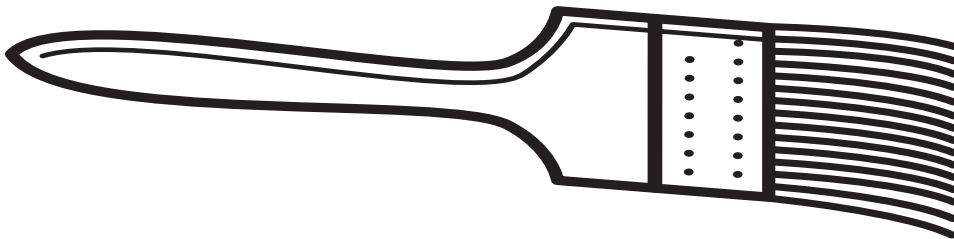
Is this possible? _____



Guess: _____

Check: _____ inches

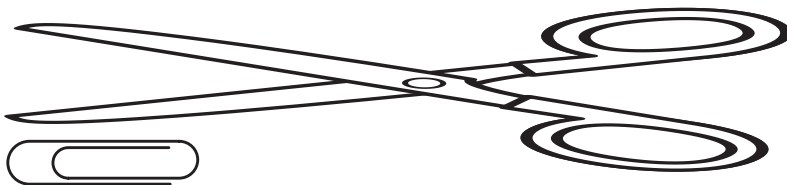
2. Jen wants to put this paint brush in a case. The case is 6 inches long. Will this paint brush fit in Jen's case? _____



Guess: _____

Check: _____ inches


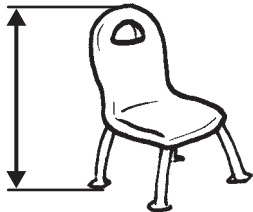
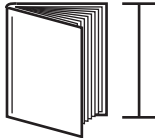
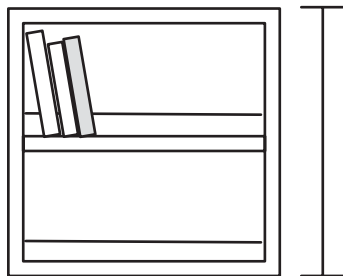
3. Mike's crayon is 3 paper clips long. Are these scissors longer or shorter than Mike's crayon? _____



Guess: _____

Check: _____ 

Skills Practice*Use an Inch Ruler***Find the object. Use inches.****Estimate. Measure each object in the unit shown.**

Find	Estimate	Measure
1. 	_____ inch	_____ inch
2. 	_____ inches	_____ inches
3. 	_____ inches	_____ inches
4. 	_____ inches	_____ inches

Solve.

5. Lita's scarf is 36 inches long. Jill's scarf is 12 inches shorter. How long is Jill's scarf?

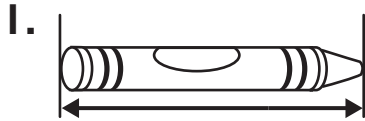
_____ inches long

6. A toy plane is 15 inches long. A toy train is 6 inches longer. How long is the toy train?

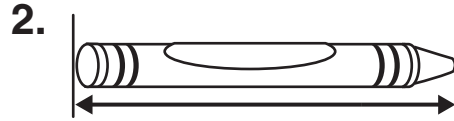
_____ inches long

Skills Practice*Measure Centimeters Using Models***Use a centimeter ruler to measure.**

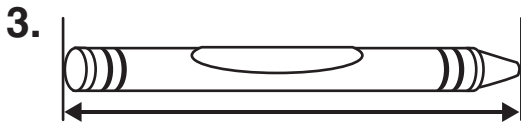
Line up the zero end of the ruler with one end of the crayon. Read the number at the other end of the crayon.



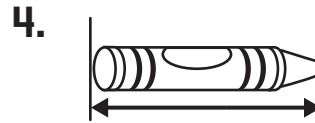
about _____ centimeters



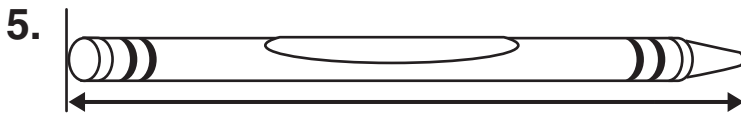
about _____ centimeters



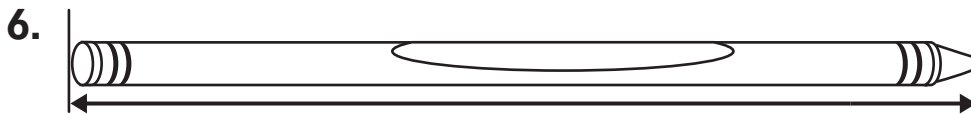
about _____ centimeters



about _____ centimeters



about _____ centimeters



about _____ centimeters

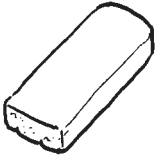
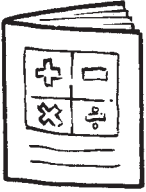


Solve.

7. A book is 13 centimeters long. A crayon is 7 centimeters long.
How much longer is the book?

The book is _____ centimeters longer.

Skills Practice*Use a Centimeter Ruler*

Find the object. Estimate. Measure each object in centimeters.

Find	Estimate	Measure
1. 	_____ centimeters	_____ centimeters
2. 	_____ centimeters	_____ centimeters
3. 	_____ centimeters	_____ centimeters
4. 	_____ centimeters	_____ centimeters

5. Name three things in your classroom that are longer than 25 centimeters but shorter than 50 centimeters. Use a centimeter ruler to measure them.

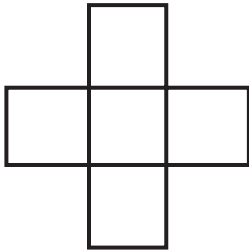
6. Name two things in your classroom that are longer than 50 centimeters. Use a centimeter ruler to measure them.

Skills Practice

Understanding Area

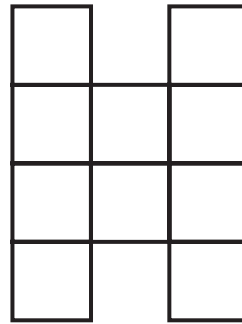
Count  to find the area.

1.



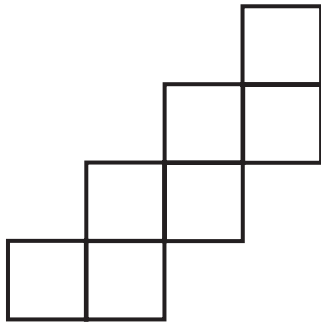
_____ square units

2.



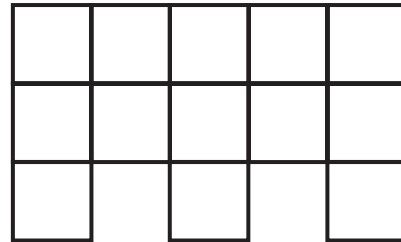
_____ square units

3.



_____ square units

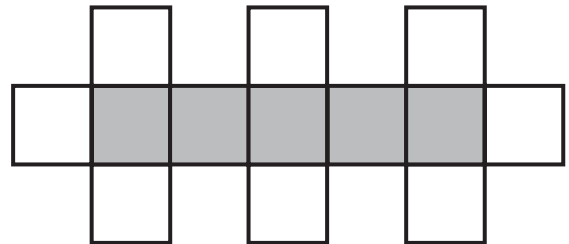
4.



_____ square units

5. Rob used white and gray pattern blocks to make this shape. What is the area of the gray part?

_____ square units



Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy to solve.**

- Make a table
- Draw a picture
- Use logical reasoning

1. Jane wants to build a block tower that is 40 inches high. Each block is 2 inches high. How many blocks does she need?

_____ blocks

2. Koto is hanging 36-inch curtains. The window is 72 inches wide. How many curtains are needed to cover the window?

_____ curtains

3. Jamal draws a picture that is 22 inches long and 22 inches wide. He wants to put a ribbon border on it. About how many inches of ribbon does he need?

_____ inches

4. Tina's mom is sewing an American flag. There are 13 stripes. They are 2 inches wide. How many inches wide is the flag?

_____ inches

5. Tim measures his shoe. It is 6 inches long. Then, he walks across a room. He put the heel of his right shoe against the toe of the left shoe. He says the room is about 20 shoes long. About how long is the room in inches?

_____ inches

Skills Practice*Capacity: Nonstandard Units*

Find the container. Choose a unit of measure. Measure. Write the number.

Container	Unit of Measure	Capacity
1. milk carton	_____	_____
2. pet dish	_____	_____
3. salad bowl	_____	_____
4. box	_____	_____
5. jar	_____	_____

Add.

6. $8 + 3 =$ _____

7. $7 + 8 =$ _____

8. $6 + 9 =$ _____

9. $5 + 6 =$ _____

10. $7 + 4 =$ _____

11. $9 + 3 =$ _____

12. $5 + 8 =$ _____

13. $6 + 7 =$ _____

14. $8 + 4 =$ _____

Skills Practice*Cups and Gallons*

You can use cups and gallons to measure capacity.

Find the container. Choose the better estimate.

Measure. Circle the better measure.

Container	Estimate	Capacity
1. milk jug	about 1 gallon about 2 gallons	1 gallon 2 gallons
2. coffee pot	about 8 cups about 10 cups	8 cups 10 cups
3. mop bucket	about 2 gallons about 10 gallons	2 gallons 10 gallons
4. cooking pot	about 3 gallons about 13 gallons	3 gallons 13 gallons
5. tea cup	about 3 cups about 1 cup	3 cups 1 cup

Add.

$$\begin{array}{r} 6. \quad 9 \\ + 9 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 9 \\ \hline \end{array}$$

Skills Practice*Problem-Solving Strategy: Act It Out***Act it out to solve.**

1. Martha says there are 16 tablespoons in a cup. Terry thinks there are 12 tablespoons in a cup. Who is correct?

2. Gary has a measuring cup. He measures out 4 cups of sand. Tony has a tablespoon. How many spoonfuls will Tony need to equal 4 cups?

_____ spoonfuls

3. Nina has a cup of juice. Mia has a school juice carton. Both think they have more milk. Who is correct?

4. Raja is trying to guess how many spoonfuls of sand are in a jar. How could you help him estimate the number of spoonfuls?

5. Carlos has a tall, skinny glass and a short, wide glass. How could you help him find out which glass holds more liquid?

Skills Practice*Milliliters and Liters*

**Find the container. Circle the better estimate.
Measure. Circle the closer measure.**

Container	Estimate	Capacity
1. water bottle	about 1 milliliter about 1 liter	1 milliliter 1 liter
2. drinking glass	about 1 milliliter about 1 liter	1 milliliter 1 liter
3. spray bottle	about 1 milliliter about 1 liter	1 milliliter 1 liter
4. eye dropper	about 1 milliliter about 1 liter	1 milliliter 1 liter
5. pickle jar	about 1 milliliter about 1 liter	1 milliliter 1 liter

Subtract.

$$\begin{array}{r}
 6. \quad 5 \\
 \underline{- 4}
 \end{array}
 \quad
 \begin{array}{r}
 50 \\
 \underline{- 30}
 \end{array}
 \quad
 \begin{array}{r}
 42 \\
 \underline{- 11}
 \end{array}
 \quad
 \begin{array}{r}
 35 \\
 \underline{- 35}
 \end{array}
 \quad
 \begin{array}{r}
 52 \\
 \underline{- 29}
 \end{array}
 \quad
 \begin{array}{r}
 19 \\
 \underline{- 8}
 \end{array}$$

Skills Practice*Weight: Nonstandard Units***Find the item. Circle your unit of measure.****Find the weight of each item. Write the number.**

Object	Unit of Measure	Weight
1. pencil	marble bean	_____
2. base-ten block	bean paper clip	_____
3. milk carton	crayon bean	_____
4. chalk	bean rock	_____
5. box of crayons	rock marble	_____

Subtract.

$$\begin{array}{r} 6. \quad 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

Skills Practice*Ounces and Pounds***Find the item. Circle the better estimate.****Measure. Circle the closer measure.**

Item	Estimate	Weight/Mass
1. paper clips	about 1 pound about 1 ounce	1 pound 1 ounce
2. marker	about 1 pound about 1 ounce	1 pound 1 ounce
3. pair of shoes	about 1 pound about 1 ounce	1 pound 1 ounce
4. loaf of bread	about 1 pound about 1 ounce	1 pound 1 ounce
5. eye dropper	about 1 pound about 1 ounce	1 pound 1 ounce

Add.

6. $9 + 8 =$ _____

7. $8 + 2 =$ _____

8. $71 + 59 =$ _____

9. $40 + 80 =$ _____

10. $66 + 24 =$ _____

11. $90 + 60 =$ _____

12. $6 + 5 =$ _____

13. $9 + 7 =$ _____

14. $65 + 35 =$ _____

Skills Practice*Grams and Kilograms*

Find the item. Circle the better estimate.
Measure. Circle the closer measure.

Item	Estimate	Weight
1. book	about 10 grams about 10 kilograms	10 grams 10 kilograms
2. can of soup	about 100 grams about 1 kilogram	100 grams 1 kilogram
3. pencil	about 3 grams about 15 grams	3 grams 15 grams
4. tissue box	about 100 grams about 1000 grams	100 grams 1000 grams
5. grapefruit	about 10 grams about 1 kilogram	10 grams 1 kilogram

Subtract.

$$\begin{array}{r} 6. \quad 35 \\ - 14 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ - 26 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ - 62 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ - 60 \\ \hline \end{array}$$

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

- Write a number sentence
- Make a table
- Draw a picture

1. Gina's school had a bakesale. They sold 14 gallons of water and 19 gallons of punch. How many gallons were sold in all?
_____ gallons

2. Jay, May and Ray stand in line. Ray is behind May. May is behind Jay. Who is in front?

3. Brown School's second-grade class has a picnic. Mrs. Lee pours 1 cup of juice for each student. If there are 53 second-graders, how many gallons of juice does Mrs. Lee need?

Cups	16			
Gallons	1			

_____ gallons

4. Micah's library book weighs 4 kilograms. Grace's book weighs 400 grams less than Micah's book. How many total grams is Grace's book?

_____ grams

Skills Practice*Add Hundreds***Add.**

1. 4 hundreds + 2 hundreds = _____ hundreds

$400 + 200 = \underline{\hspace{2cm}}$

2. 3 hundreds + 3 hundreds = _____ hundreds

$300 + 300 = \underline{\hspace{2cm}}$

3. 5 hundreds + 4 hundreds = _____ hundreds

$500 + 400 = \underline{\hspace{2cm}}$

4.	200 <u>+ 100</u>	500 <u>+ 200</u>	400 <u>+ 300</u>	700 <u>+ 100</u>	400 <u>+ 200</u>
----	---------------------	---------------------	---------------------	---------------------	---------------------

Solve.

5. Kal has 400 pennies. His sister also has 400 pennies. How many pennies do they have in all?

_____ hundreds + _____ hundreds = _____ hundreds

$400 + 400 = \underline{\hspace{2cm}}$ pennies

6. Joy has 300 stickers. Juan has 500 stickers. How many total stickers are there? Write a number sentence to solve.

_____ hundreds + _____ hundreds = _____ hundreds

_____ + _____ = _____ stickers

Skills Practice*Regroup Ones***Use models and WorkMat 7. Add.**

1.

	hundreds	tens	ones
	<input type="text"/>	<input type="text" value="1"/>	
	1	4	6
+	1	3	9
	2	8	5

2.

	hundreds	tens	ones
	<input type="text"/>	<input type="text"/>	
	2	4	5
+	1	2	8

3.

	hundreds	tens	ones
	<input type="text"/>	<input type="text"/>	
	3	4	3
+	2	4	9

4. $271 + 309 = \underline{\hspace{2cm}}$

5. $325 + 106 = \underline{\hspace{2cm}}$

6. $183 + 408 = \underline{\hspace{2cm}}$

7. $262 + 119 = \underline{\hspace{2cm}}$

8. $364 + 317 = \underline{\hspace{2cm}}$

9. $176 + 418 = \underline{\hspace{2cm}}$

10. $237 + 155 = \underline{\hspace{2cm}}$

11. $162 + 318 = \underline{\hspace{2cm}}$

12. $308 + 304 = \underline{\hspace{2cm}}$

13. $219 + 143 = \underline{\hspace{2cm}}$

Solve.

14. Ira has 315 dominoes. Li has 158 dominoes. How many dominoes in all?

_____ dominoes

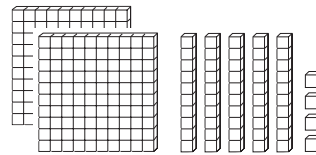
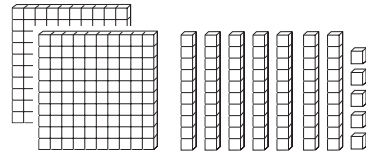
15. Jose has 224 marbles. Bess has 357 marbles. How many total marbles?

_____ marbles

Skills Practice*Regroup Tens***Use models and WorkMat 7. Add.**

1.

	hundreds	tens	ones
	1		
	2	7	5
+	2	5	4
—	5	2	9



2. $562 + 354 = \underline{\hspace{2cm}}$

4. $274 + 455 = \underline{\hspace{2cm}}$

6. $183 + 471 = \underline{\hspace{2cm}}$

8. $169 + 160 = \underline{\hspace{2cm}}$

3. $352 + 493 = \underline{\hspace{2cm}}$

5. $482 + 185 = \underline{\hspace{2cm}}$

7. $282 + 333 = \underline{\hspace{2cm}}$

9. $252 + 451 = \underline{\hspace{2cm}}$

Solve.

10. Kay has 429 rocks in her collection. She finds 390 more. How many rocks does Kay have?
- _____

11. Luis has 543 baseball cards. His sister has 362. How many cards do they have in all?
- _____

Skills Practice*Problem-Solving Strategy: Make a Table***Use the table to answer the questions.**

Flights to Seattle from Minneapolis:

Flight Number	Leaves	Arrives
206	7:10	1:20
305	9:30	4:00
491	12:50	6:50
511	6:05	12:15

1. Paul leaves for Seattle on Flight 305. Tom leaves on Flight 206. How long will Tom arrive before Paul arrives?
- _____

2. Jane is taking Flight 491 to Seattle. The plane leaves an hour late. What time will the plane arrive in Seattle? _____

3. Which flight is longer than the others? _____

Complete the table to solve.

4. There are 10 people in each raft. How many people are in 5 rafts?

Rafts	1				
People	10				

Skills Practice*Estimate Sums***Round each number to the nearest *ten*.****Estimate the sum.**

$$\begin{array}{r} 1. \quad 302 \rightarrow \\ + 287 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 686 \rightarrow \\ + 174 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 365 \rightarrow \\ + 209 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 405 \rightarrow \\ + 325 \rightarrow + \\ \hline \end{array}$$

Round each number to the nearest *hundred*.**Estimate the sum.**

$$\begin{array}{r} 5. \quad 518 \rightarrow \\ + 169 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 701 \rightarrow \\ + 216 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 176 \rightarrow \\ + 315 \rightarrow + \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 390 \rightarrow \\ + 412 \rightarrow + \\ \hline \end{array}$$

Solve.

9. There are 410 parents and 526 children in the park. Rounding to the nearest hundred, how many people are in the park?
 _____ people

10. Mr. Tan sells 215 apples on Wednesday and 486 apples on Sunday. Rounding to the nearest ten, how many apples does Mr. Tan sell? _____ apples

Skills Practice*Subtract Hundreds***Subtract.**

$$\begin{array}{r} 1. \quad 300 \\ - 100 \\ \hline \end{array} \quad \begin{array}{r} 800 \\ - 300 \\ \hline \end{array} \quad \begin{array}{r} 700 \\ - 100 \\ \hline \end{array} \quad \begin{array}{r} 600 \\ - 300 \\ \hline \end{array} \quad \begin{array}{r} 600 \\ - 200 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 400 \\ - 100 \\ \hline \end{array} \quad \begin{array}{r} 500 \\ - 100 \\ \hline \end{array} \quad \begin{array}{r} 600 \\ - 500 \\ \hline \end{array} \quad \begin{array}{r} 800 \\ - 100 \\ \hline \end{array} \quad \begin{array}{r} 500 \\ - 300 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 500 \\ - 200 \\ \hline \end{array} \quad \begin{array}{r} 900 \\ - 200 \\ \hline \end{array} \quad \begin{array}{r} 600 \\ - 400 \\ \hline \end{array} \quad \begin{array}{r} 700 \\ - 400 \\ \hline \end{array} \quad \begin{array}{r} 800 \\ - 500 \\ \hline \end{array}$$

Solve.

4. 900 children are in the park.
700 adults are in the park.
How many more children
are there than adults?

_____ more children

5. 800 people see a movie on
Friday. 900 people see the
movie on Saturday. How
many more people go to the
movie on Saturday?

_____ more people

Show your work here.

Skills Practice*Regroup Tens***Use models and WorkMat 7. Subtract.**

1.

hundreds	tens	ones
	<input type="text"/>	<input type="text"/>
7	6	3
- 3	2	5

2.

hundreds	tens	ones
	<input type="text"/>	<input type="text"/>
6	5	7
- 4	2	9

3.

hundreds	tens	ones
	<input type="text"/>	<input type="text"/>
4	8	3
- 1	2	8

4.

hundreds	tens	ones
	<input type="text"/>	<input type="text"/>
8	6	1
- 5	4	5

5. $688 - 117 = \underline{\hspace{2cm}}$

6. $945 - 538 = \underline{\hspace{2cm}}$

7. $573 - 451 = \underline{\hspace{2cm}}$

8. $783 - 261 = \underline{\hspace{2cm}}$

9. $454 - 344 = \underline{\hspace{2cm}}$

10. $857 - 675 = \underline{\hspace{2cm}}$

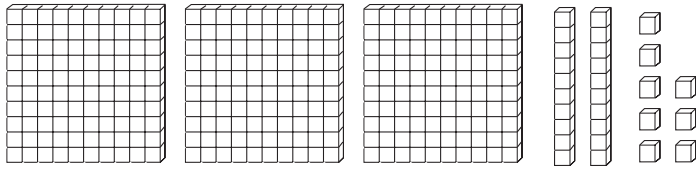
Solve.

11. 377 people see a play on Friday night. 495 people see a play on Saturday. How many more people see the play on Saturday?

_____ people

Skills Practice*Regroup Hundreds***Use models and WorkMat 7. Subtract.**

hundreds	tens	ones
2	12	
3	2	8
- 2	7	7
	5	1



1. $567 - 295 = \underline{\quad}$

2. $912 - 562 = \underline{\quad}$

3. $727 - 382 = \underline{\quad}$

4. $838 - 445 = \underline{\quad}$

5. $478 - 416 = \underline{\quad}$

6. $648 - 377 = \underline{\quad}$

7. $346 - 268 = \underline{\quad}$

8. $256 - 131 = \underline{\quad}$

9. $871 - 596 = \underline{\quad}$

10. $158 - 98 = \underline{\quad}$

Solve. Show your work.

11. Penny had 347 pumpkins for sale. She sold 255 pumpkins.
How many pumpkins did Penny have left? _____ pumpkins

Skills Practice*Estimate Differences***Round each number to the nearest *ten*.****Estimate each difference.**

$$\begin{array}{r} 1. \quad 255 \\ - 135 \\ \hline \end{array} \qquad \begin{array}{r} 713 \\ - 645 \\ \hline \end{array} \qquad \begin{array}{r} 926 \\ - 406 \\ \hline \end{array} \qquad \begin{array}{r} 841 \\ - 452 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 501 \\ - 398 \\ \hline \end{array} \qquad \begin{array}{r} 488 \\ - 216 \\ \hline \end{array} \qquad \begin{array}{r} 377 \\ - 164 \\ \hline \end{array} \qquad \begin{array}{r} 667 \\ - 325 \\ \hline \end{array}$$

3. Round each number to the nearest *hundred*.**Estimate each difference.**

$$\begin{array}{r} 487 \\ - 244 \\ \hline \end{array} \qquad \begin{array}{r} 705 \\ - 280 \\ \hline \end{array} \qquad \begin{array}{r} 376 \\ - 111 \\ \hline \end{array} \qquad \begin{array}{r} 947 \\ - 321 \\ \hline \end{array}$$

Solve

4. Mae's family drives 467 miles on Saturday and 391 miles on Sunday. Rounding to the nearest ten, estimate the difference in miles.

5. Jake's school has a book sale every year. Last year, the school sold 209 books. They sell 311 books this year. Rounding to the nearest hundred, estimate the difference in books.

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy to solve.****Problem-Solving Strategies**

- Find a pattern
- Work backward
- Use logical reasoning

1. Mrs. Dahl has 9 hundred, 7 tens, and 8 ones blocks. Al borrows 2 hundreds, 5 tens, and 5 ones blocks. How many blocks are left?
_____ blocks
2. Nell and Sam save 620 pennies. They put 372 pennies in a blue can. They put the rest in a red can. How many pennies do they put in the red can?
_____ pennies
3. Mrs. Robbin's science class plants seeds. On Tuesday 2 seeds sprout. 4 sprout on Wednesday. 6 come up on Thursday. If the pattern continues, how many seeds will have sprouted on Friday in all?
_____ seeds
4. Josh has some money to buy a present for his dad. He spends \$5 on the present. He spends another \$1 for a big ribbon. He has \$2 left. How much money did Josh start with?

Skills Practice*Multiplication Stories*

**Use counters to model multiplication sentences.
Count to solve.**

1. There are 3 bowls.
4 plums are in each bowl.
How many plums are there?
_____ plums

2. There are 2 cartons.
4 peaches are in each carton.
How many peaches are there?
_____ peaches

3. There are 3 sacks.
2 melons are in each sack.
How many melons are there?
_____ melons

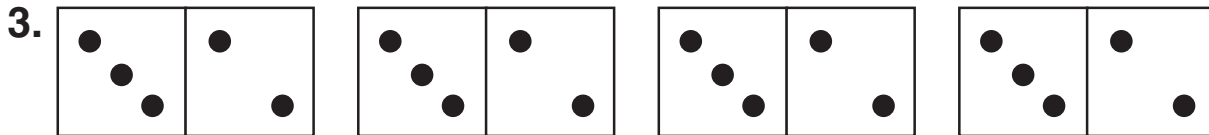
4. There are 4 bags.
3 oranges are in each bag.
How many oranges are there?
_____ oranges

Skills Practice*Equal Groups***Skip count. Write how many in all.**

_____ 4 _____ 8 _____ _____ in all



_____ _____ _____ _____ in all



_____ _____ _____ _____ in all

Use counters to solve.

4. Mollie uses counters to find how many equal groups there are in problem 1. How many counters will she use?

_____ counters

5. Jamal has 3 groups of marbles. Each group has 4 marbles. Use counters to model Jamal's groups. Skip count to find how many there are in all.

_____ marbles

Skills Practice*Problem-Solving Strategy: Draw a Picture***Draw a picture to solve.****Show your work here.**

1. There are 5 moving vans.
Each van can hold 4 crates.
How many crates can the
vans hold, altogether?

_____ crates

2. Leona has 6 boxes. If she
puts 4 plates in each box,
how many plates boxes will
Leona pack?

_____ plates

3. Ivan gives 3 balloons to
each of his 4 cousins. How
many total balloons does
Ivan give?

_____ balloons

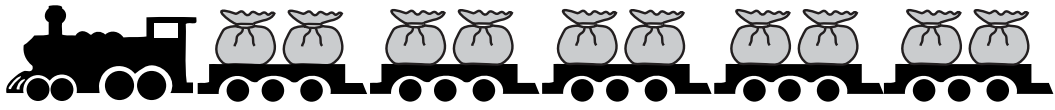
4. Ms. Kim gives 3 paint pots to
each of her 5 students. How
many paint pots does she
give in all?

_____ paint pots

Skills Practice


Repeated Addition

Add. Then multiply.

1. 

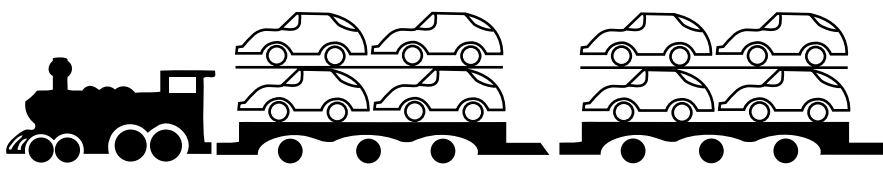
$$\underline{2} + \underline{2} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

2. 

$$\underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

3. 

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

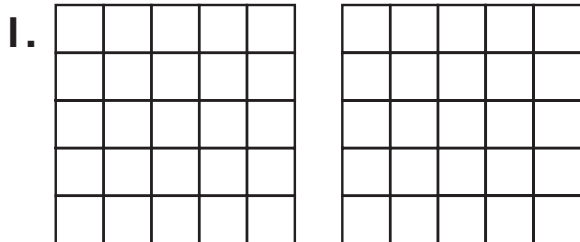
Solve.

4. Marco has 4 fish tanks. Each tank has 2 fish. Use repeated addition to show how many fish Marco has.

$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ fish in all}$$

5. Marco wants to find a faster way to show how many fish he has. Write a multiplication sentence to show him.

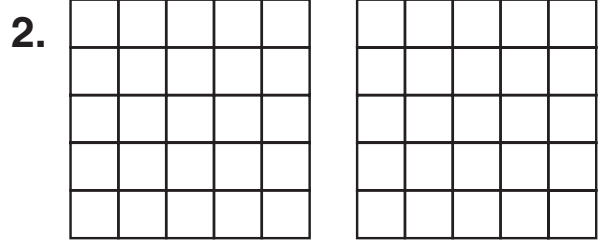
$$\underline{\quad} \times \underline{\quad} = \underline{\quad} \text{ fish in all}$$

Skills Practice*Arrays***Color the array. Find the product.**

2 rows of 5

5 rows of 2

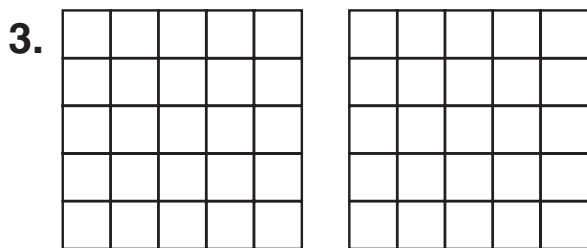
$2 \times 5 = \underline{\quad}$ $5 \times 2 = \underline{\quad}$



4 rows of 5

5 rows of 4

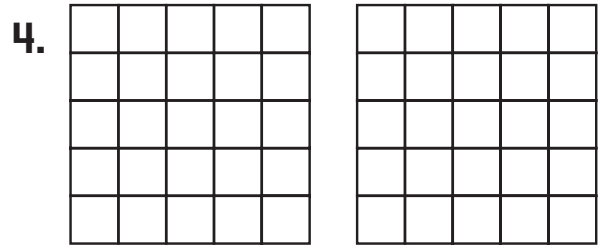
$4 \times 5 = \underline{\quad}$ $5 \times 4 = \underline{\quad}$



4 rows of 3

3 rows of 4

$4 \times 3 = \underline{\quad}$ $3 \times 4 = \underline{\quad}$



2 rows of 4

4 rows of 2

$2 \times 4 = \underline{\quad}$ $4 \times 2 = \underline{\quad}$

Solve. Draw a picture if you need help.

5. Tomás has a carton of eggs. There are 2 rows in the carton. Each row has 6 eggs. How many eggs does Tomás have?

$\underline{\quad}$ rows \times $\underline{\quad}$ in each row = $\underline{\quad}$ eggs in all

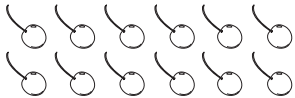
6. Elsa is baking muffins. Her muffin tin has 4 rows. She can bake 3 muffins in each row. How many muffins can Elsa bake in all?

$\underline{\quad}$ rows \times $\underline{\quad}$ in each row = $\underline{\quad}$ muffins in all

Skills Practice*Division Stories*

Model using ○. Draw a picture to show your work.

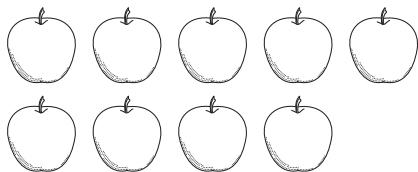
1. 4 bowls hold



Each bowl holds
_____ cherries.

--	--	--	--

2. 3 bowls hold



Each bowl holds
_____ apples.

--	--	--

Use cubes to solve.

**3. Sally has 16 blocks. She puts them into groups of 2.
How many equal groups of 2 does Sally have?**

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

**4. Tanya has 20 beads. She puts them into groups of 4.
How many equal groups of 4 does Tanya have?**

$$\underline{\hspace{2cm}} \div \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Skills Practice*Find Equal Groups*

**Model using counters to make equal groups.
How many are in each group? Divide.**

1. 6 counters
2 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

2. 18 counters
9 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

3. 20 counters
4 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

4. 12 counters
4 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

5. 15 counters
5 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

6. 16 counters
2 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

7. 18 counters
6 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

8. 25 counters
5 equal groups

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

Solve.

9. Leslie has 24 peaches. She put equal groups of peaches into 3 bowls. How many peaches are in each bowl?

$$24 \div 3 = \underline{\quad} \text{ peaches}$$

10. Mr. Chan wrote 20 pages. He divided the pages into 4 equal chapters. How many pages are in each chapter?

$$20 \div 4 = \underline{\quad} \text{ pages}$$

Skills Practice*Problem-Solving Investigation: Choose a Strategy***Choose a strategy. Solve.****Problem-Solving Strategies**

Act it out

Find a pattern

Draw a picture

- | | |
|---|---|
| <p>1. Seven cousins share 14 friendship bracelets. They each have the same number of bracelets. How many bracelets does each cousin have?
_____ bracelets</p> | <p>2. Abby made 12 dollars babysitting. She babysat for 3 hours. How many dollars did Abby make each hour?
_____ dollars</p> |
| <p>3. Devon feeds his three rabbits 15 carrots. Each rabbit eats the same number of carrots. How many carrots does each rabbit eat?
_____ carrots</p> <p>What if Devon fed the rabbits 18 carrots?
_____ carrots</p> | <p>4. Liam made 6 pies. Each pie has 3 apples. How many apples did Liam use in all?
_____ apples</p> <p>How many apples would Liam need for 8 pies?
_____ apples</p> |