Addition Concepts

Name _____

You can join groups to add.
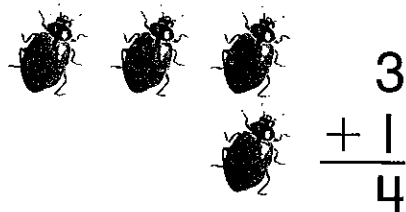
$$\begin{array}{r} 3 \\ +1 \\ \hline 4 \end{array}$$

You can add parts to find a whole.

$$5 + 2 = 7$$

Add. You may use □ to help.

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

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

3.
$$\begin{array}{r} 5 \\ +4 \\ \hline \end{array}$$

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

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

6.
$$\begin{array}{r} 3 \\ +8 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 7 \\ +5 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 6 \\ +4 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 9 \\ +0 \\ \hline \end{array}$$

11. $2 + 7 = $ _____

12. $6 + 2 = $ _____

13. $3 + 3 = $ _____

14. $5 + 1 = $ _____

15. $2 + 8 = $ _____

16. $9 + 3 = $ _____

17. $6 + 6 = $ _____

18. $4 + 7 = $ _____

19. $2 + 0 = $ _____

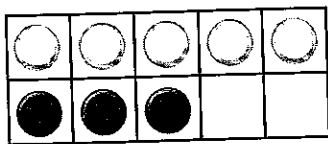**Problem Solving**   Solve. Use a problem-solving strategy.

20. 4 gophers dig a hole. 5 more come when they finish. How many gophers are there in all?

_____ gophers

21. Paul wrote a 4-page report. Lou's paper is 3 pages more than Paul's. How many pages did Lou write in all?

_____ pages

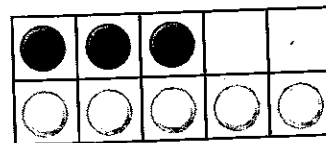Use with Lesson 1, text pages 3–4.

one **1**

Related Addition Facts

These are related addition facts.

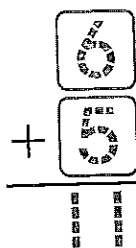$$\begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline 8 \end{array}$$

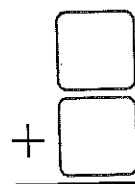Find the sum. Write the related addition fact.

1.
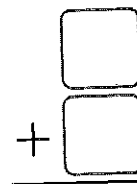$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$
$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline \end{array}$$
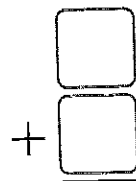
2.
$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$
$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$$
$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline \end{array}$$

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

5.
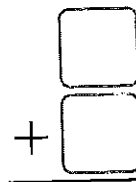$$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$$
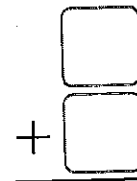$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline \end{array}$$

6.
$$\begin{array}{r} 0 \\ + 8 \\ \hline \end{array}$$
$$\begin{array}{r} \boxed{} \\ + \boxed{} \\ \hline \end{array}$$

7. $5 + 7 = $ ___

$\boxed{} + \boxed{} = $ ___

8. $9 + 2 = $ ___

$\boxed{} + \boxed{} = $ ___

Problem Solving Solve. Use a problem-solving strategy.

9. Rene has 4 seeds. Her mother gives her 7 more. How many seeds does Rene have altogether?

___ seeds

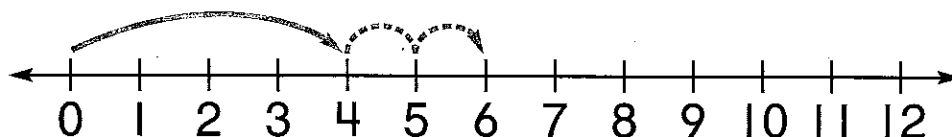**10.** Chang sees 6 ants. His sister sees 4 more. How many ants do they see altogether?

___ ants

Use with Lesson 3, text pages 7–8.

Count On to Add

4 + 2 = ? | Start with the greater addend. Count on. | 4 addend
                                                          + 2 addend
                                                            6 sum

$$\leftarrow | + | + | + | + | + | + | + | + | + | + | + | + | \rightarrow$$
$$0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12$$

Circle the greater addend. Find it on the
number line. Then count on to find the sum.

$$\leftarrow | + | + | + | + | + | + | + | + | + | + | + | + | \rightarrow$$
$$0 \quad 1 \quad 2 \quad 3 \quad 4 \quad 5 \quad 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 11 \quad 12$$

1. $2 + ⑤ = 7$ | 2. $8 + 4 = \underline{}$ | 3. $7 + 3 = \underline{}$

4. $9 + 2 = \underline{}$ | 5. $1 + 6 = \underline{}$ | 6. $4 + 5 = \underline{}$

7.	8.	9.	10.	11.
3	9	5	7	6
+9	+1	+2	+4	+2

12.	13.	14.	15.	16.
1	4	5	3	3
+8	+8	+3	+7	+6

17.	18.	19.	20.	21.
7	3	4	2	9
+2	+2	+6	+4	+3

Extend Facts to 20

Name _____

This is an addition sentence.

addend   addend
$$9 + 9 = 18 \leftarrow \text{sum}$$

Find the sum.

1. $\begin{array}{r} 8 \\ +7 \\ \hline 15 \end{array}$	2. $\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$	3. $\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$	4. $\begin{array}{r} 9 \\ +5 \\ \hline \end{array}$	5. $\begin{array}{r} 4 \\ +8 \\ \hline \end{array}$
6. $\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$	7. $\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$	8. $\begin{array}{r} 10 \\ +10 \\ \hline \end{array}$	9. $\begin{array}{r} 8 \\ +8 \\ \hline \end{array}$	10. $\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$
11. $\begin{array}{r} 7 \\ +7 \\ \hline \end{array}$	12. $\begin{array}{r} 3 \\ +9 \\ \hline \end{array}$	13. $\begin{array}{r} 8 \\ +4 \\ \hline \end{array}$	14. $\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$	15. $\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$

16. $9 + 10 =$ ___ | 17. $6 + 7 =$ ___ | 18. $9 + 9 =$ ___

19. $5 + 7 =$ ___ | 20. $7 + 8 =$ ___ | 21. $8 + 9 =$ ___

22. $8 + 5 =$ ___ | 23. $6 + 6 =$ ___ | 24. $7 + 9 =$ ___

25. $9 + 6 =$ ___ | 26. $8 + 6 =$ ___ | 27. $7 + 5 =$ ___

Use with Lesson 5, text pages 11–12.

4   four

Make 10 to Add

Name _____

$7 + 6 = ?$
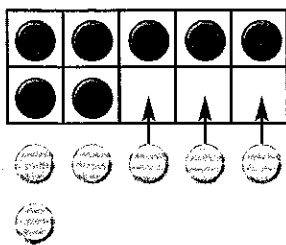
$7 + 6 = \underline{7 + 3} + 3$
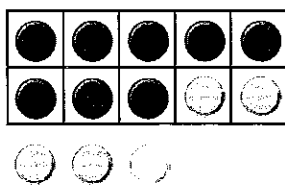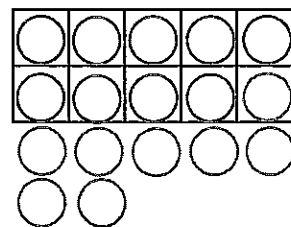
$ = 10 + 3$

So $7 + 6 = 13$.

Add by making 10.
Draw ● and ○ to help.
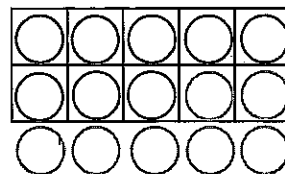
1.
$\begin{array}{r} 8 \\ +5 \\ \hline 13 \end{array}$

2.
$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$

3.
$\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$

4.
$\begin{array}{r} 6 \\ +8 \\ \hline \end{array}$

5.
$\begin{array}{r} 9 \\ +7 \\ \hline \end{array}$

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

7. $4 + 9 = \underline{}$

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

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

10. $9 + 9 = \underline{}$

Use with Lesson 6, text pages 15–16.
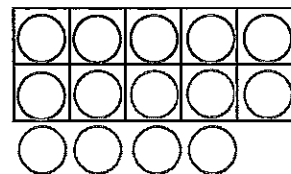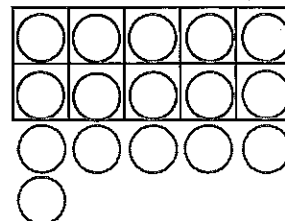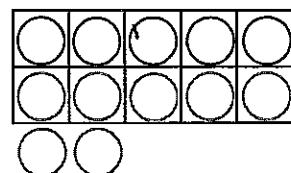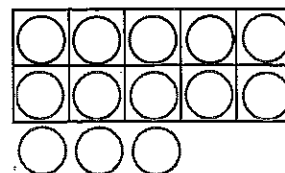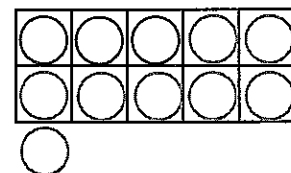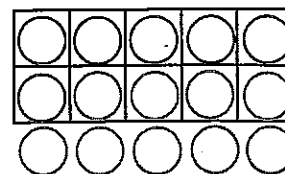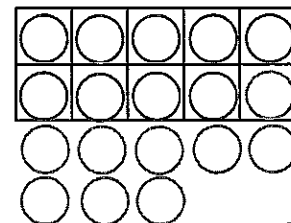
Doubles Facts

When both addends are the same number,
the fact is called a doubles fact.
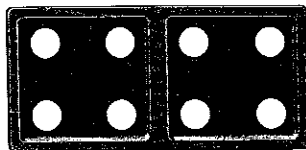
$$4 + 4 = 8$$

Count the dots. Write the doubles fact.

1.

$$2 + 2 = \_\_$$
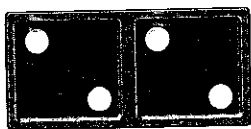
2.

$$\_\_ + \_\_ = \_\_$$
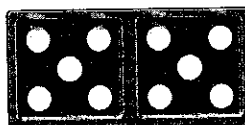
3.

$$\_\_ + \_\_ = \_\_$$

4.

$$\_\_ + \_\_ = \_\_$$

Find the sum. Circle all doubles facts.

5. $7 + 7 = \_\_$ **6.** $8 + 6 = \_\_$ **7.** $6 + 6 = \_\_$

8. $3 + 9 = \_\_$ **9.** $1 + 1 = \_\_$ **10.** $9 + 8 = \_\_$

11. $8 + 8 = \_\_$ **12.** $9 + 9 = \_\_$ **13.** $10 + 10 = \_\_$

14. $\begin{array}{r} 2 \\ +2 \\ \hline \end{array}$ **15.** $\begin{array}{r} 5 \\ +7 \\ \hline \end{array}$ **16.** $\begin{array}{r} 6 \\ +6 \\ \hline \end{array}$ **17.** $\begin{array}{r} 0 \\ +0 \\ \hline \end{array}$ **18.** $\begin{array}{r} 4 \\ +4 \\ \hline \end{array}$

6 six

Doubles + 1, Doubles – 1

Name _____

Doubles +1		Doubles –1
$5 + 6 = ?$		$5 + 4 = ?$
Think: $5 + 5 = 10$		**Think:** $5 + 5 = 10$
6 is one more than 5.		4 is one less than 5.
So $5 + 6 = 11$.		So $5 + 4 = 9$.

Complete the facts.

	Doubles	Doubles +1	Doubles –1
1.	$2 + \underline{2} = \underline{4}$	$2 + \underline{3} = \underline{5}$	$2 + \underline{1} = \underline{3}$
2.	$4 + \underline{} = \underline{}$	$4 + \underline{} = \underline{}$	$4 + \underline{} = \underline{}$
3.	$1 + \underline{} = \underline{}$	$1 + \underline{} = \underline{}$	$1 + \underline{} = \underline{}$
4.	$3 + \underline{} = \underline{}$	$3 + \underline{} = \underline{}$	$3 + \underline{} = \underline{}$
5.	$6 + \underline{} = \underline{}$	$6 + \underline{} = \underline{}$	$6 + \underline{} = \underline{}$

Find the sum.

6. $7 + 6 = \underline{13}$ | **7.** $3 + 2 = \underline{}$ | **8.** $9 + 9 = \underline{}$

9. $0 + 1 = \underline{}$ | **10.** $5 + 5 = \underline{}$ | **11.** $8 + 7 = \underline{}$

Write the answer.

12. Double 6. Write 1 less. $\underline{11}$ | **13.** Double 7. Write 1 more. $\underline{}$

14. Double 8. Write 1 more. $\underline{}$ | **15.** Double 9. Write 1 less. $\underline{}$

Use with Lesson 8, text pages 19–20.

seven **7**

Three Addends; Four Addends

Name _____

Group addends different ways.

Add only two numbers at a time.

Count On	Group Doubles	Group to Make 10

$$4 \quad 5$$
$$1$$
$$+7 \quad +7$$
$$\qquad 12$$

$$4$$
$$3 \quad 8$$
$$+4 \quad +3$$
$$\quad 11$$

$$6 \quad 10$$
$$5 \quad 5$$
$$4$$
$$+1 \quad +1$$
$$\qquad 16$$

Circle the addends you group first. Then add.

1.
$$\begin{array}{r} 3 \\ 3 \\ +6 \\ \hline 12 \end{array}$$

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

3.
$$\begin{array}{r} 5 \\ 3 \\ +7 \\ \hline \end{array}$$

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

5.
$$\begin{array}{r} 2 \\ 3 \\ +9 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 7 \\ 2 \\ +7 \\ \hline \end{array}$$

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

8.
$$\begin{array}{r} 1 \\ 7 \\ +9 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 3 \\ 6 \\ +2 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 8 \\ 9 \\ +1 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 1 \\ 2 \\ 5 \\ +2 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 7 \\ 0 \\ 1 \\ +7 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 4 \\ 2 \\ 3 \\ +2 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 4 \\ 3 \\ 2 \\ +7 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 3 \\ 2 \\ 4 \\ +5 \\ \hline \end{array}$$

16. $7 + 5 + 2 = $ ___

17. $6 + 3 + 3 = $ ___

18. $4 + 2 + 1 + 7 = $ ___

19. $8 + 7 + 2 + 6 = $ ___

Use after Lessons 9 and 10, text pages 21–24.

Subtraction Concepts

You can subtract to find how many are left.	You can subtract to find one part of a whole.
$\begin{array}{r} 5 \\ -1 \\ \hline 4 \end{array}$	$7 - 2 = 5$
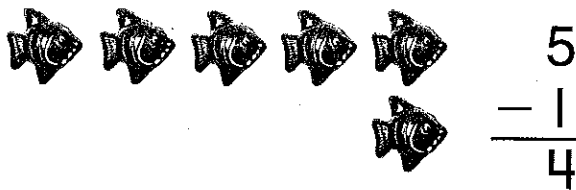
Subtract. You may use 🔳 to help.

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

2. $11 - 0 = \underline{}$

3. $9 - 6 = \underline{}$

4. $10 - 7 = \underline{}$

5. $8 - 8 = \underline{}$

6. $5 - 4 = \underline{}$

7. $6 - 1 = \underline{}$

8. $12 - 9 = \underline{}$

9. $10 - 3 = \underline{}$

10. $7 - 6 = \underline{}$

11. $4 - 4 = \underline{}$

12. $5 - 0 = \underline{}$

13. $\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$

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

15. $\begin{array}{r} 3 \\ -3 \\ \hline \end{array}$

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

17. $\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$

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

19. $\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$

20. $\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$

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

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

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

24. $\begin{array}{r} 8 \\ -7 \\ \hline \end{array}$

25. $\begin{array}{r} 12 \\ -6 \\ \hline \end{array}$
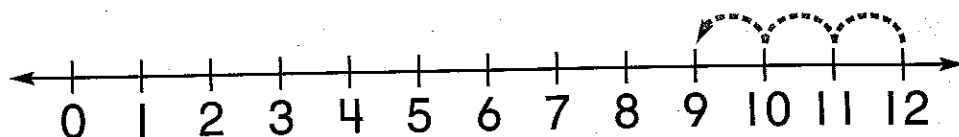
26. $\begin{array}{r} 10 \\ -2 \\ \hline \end{array}$

27. $\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$

Use with Lesson 11, text pages 27–28.
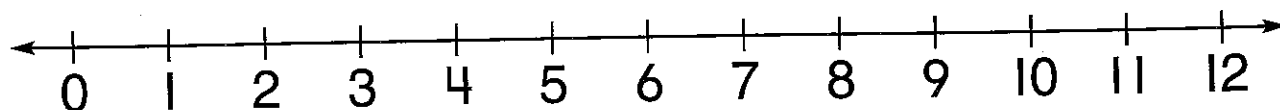
Count Back to Subtract

Name _____

$12 - 3 = ?$ | Start at 12. Count back 3. |

$12 - 3 = 9$

Count back to find the difference.

1. $9 - 2 = \underline{7}$ | 2. $11 - 3 = \underline{}$ | 3. $8 - 1 = \underline{}$

4. $7 - 1 = \underline{}$ | 5. $3 - 2 = \underline{}$ | 6. $12 - 4 = \underline{}$

7. $10 - 3 = \underline{}$ | 8. $10 - 2 = \underline{}$ | 9. $11 - 2 = \underline{}$

10. $11 - 4 = \underline{}$ | 11. $9 - 3 = \underline{}$ | 12. $8 - 4 = \underline{}$

13. $\begin{array}{r} 5 \\ -2 \\ \hline \end{array}$ | 14. $\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$ | 15. $\begin{array}{r} 6 \\ -3 \\ \hline \end{array}$ | 16. $\begin{array}{r} 9 \\ -3 \\ \hline \end{array}$ | 17. $\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$

18. $\begin{array}{r} 4 \\ -1 \\ \hline \end{array}$ | 19. $\begin{array}{r} 10 \\ -4 \\ \hline \end{array}$ | 20. $\begin{array}{r} 12 \\ -3 \\ \hline \end{array}$ | 21. $\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$ | 22. $\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$

23. $\begin{array}{r} 8 \\ -3 \\ \hline \end{array}$ | 24. $\begin{array}{r} 10 \\ -1 \\ \hline \end{array}$ | 25. $\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$ | 26. $\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$ | 27. $\begin{array}{r} 11 \\ -3 \\ \hline \end{array}$

10 ten

Use with Lesson 12, text pages 29–30.

Related Facts

Name _____

If facts use the same numbers, they are related facts.

These are related subtraction facts.

$$12$$
$$-8$$
$$\overline{\quad 4 \quad}$$

$$12$$
$$-4$$
$$\overline{\quad 8 \quad}$$

These are related addition and subtraction facts.

$$12 - 4 = 8$$
$$8 + 4 = 12$$

Subtract. Write the related addition or subtraction fact.

1.

$$13$$
$$-7$$
$$\overline{\quad 6 \quad}$$

$$-6$$
$$\overline{\quad 7 \quad}$$

2.

$$11$$
$$-3$$

$$-\boxed{}$$
$$\overline{\boxed{}}$$

3.

$$20$$
$$-10$$

$$+\boxed{}$$
$$\overline{\boxed{}}$$

4. $17 - 8 = $ ____

____ $-$ ____ $=$ ____

5. $16 - 9 = $ ____

____ $-$ ____ $=$ ____

6. $15 - 7 = $ ____

____ $+$ ____ $=$ ____

7. $14 - 8 = $ ____

____ $+$ ____ $=$ ____

Problem Solving Read the story. Write two number sentences to show what happens.

8. 7 dogs play at the park.
7 more dogs come.
Then 7 dogs leave.

$$7 + 7 = 14$$
$$14 - 7 = 7$$

9. 9 frogs jump in the creek.
6 more frogs jump in.
Then 6 frogs jump out.

____ $+$ ____ $=$ ____

____ $-$ ____ $=$ ____

Use after Lessons 13 and 14, text pages 31–34.

Use Addition to Check

Name _____

Subtract.	Use addition to check.
$17 - 9 = ?$	$8 + 9 = 17$
$17 - 9 = 8$	

Subtract. Check by adding.

1.
$$\begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array} \qquad \begin{array}{r} \boxed{8} \\ + 4 \\ \hline 12 \end{array}$$

2.
$$\begin{array}{r} 11 \\ - 3 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 3 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 14 \\ - 5 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 5 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 17 \\ - 8 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 8 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 13 \\ - 8 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 8 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 9 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 15 \\ - 7 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 7 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 14 \\ - 7 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 7 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 12 \\ - 9 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + 9 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 16 \\ - 7 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + \square \\ \hline \end{array}$$

12.
$$\begin{array}{r} 15 \\ - 6 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + \square \\ \hline \end{array}$$

13.
$$\begin{array}{r} 18 \\ - 9 \\ \hline \end{array} \qquad \begin{array}{r} \square \\ + \square \\ \hline \end{array}$$

14.
$$16 - 8 = 8$$
$$8 + 8 = 16$$

15.
$$14 - 9 = \underline{}$$
$$\underline{} + \underline{} = \underline{}$$

16.
$$15 - 9 = \underline{}$$
$$\underline{} + \underline{} = \underline{}$$

Count Up to Subtract

Name _____

Count up to find the difference. Then add to check.

$13 - 7 = ?$

┌──────6──────┐

0 1 2 3 4 5 6 ⑦ 8 9 10 11 12 ⑬ 14 15 16 17 18
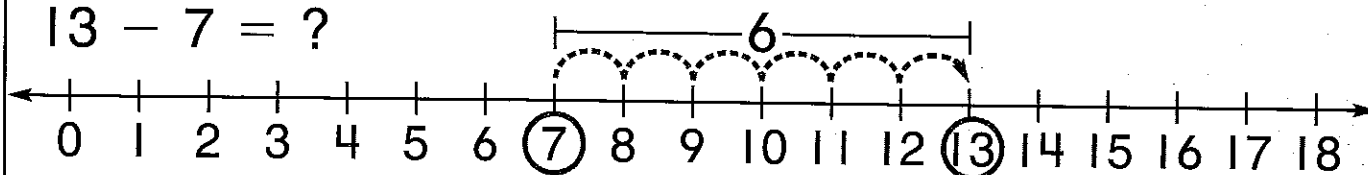
$13 - 7 = 6$ **Check** ➤ $7 + 6 = 13$

Circle the whole and the part on the ←┼┼┼→.
Count up to find the difference. Then check.

1. $14 - 5 = $ ___   **Check** ➤ ___ $+$ ___ $=$ ___

0 1 2 3 4 ⑤ 6 7 8 9 10 11 12 13 ⑭ 15 16 17 18

2. $16 - 9 = $ ___   **Check** ➤ ___ $+$ ___ $=$ ___

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

3. $11 - 7 = $ ___   **Check** ➤ ___ $+$ ___ $=$ ___

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

4. $15 - 6 = $ ___   **Check** ➤ ___ $+$ ___ $=$ ___

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

5. $18 - 9 = $ ___   **Check** ➤ ___ $+$ ___ $=$ ___

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Use with Lesson 16, text pages 39–40.
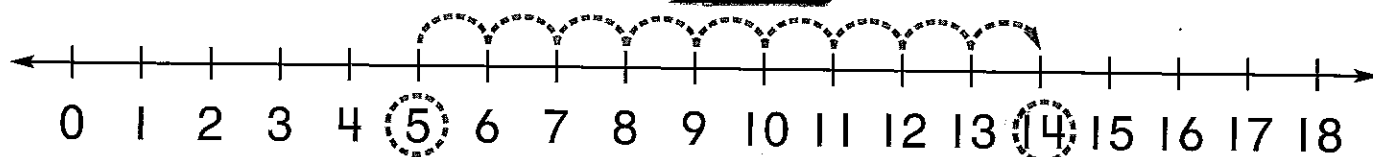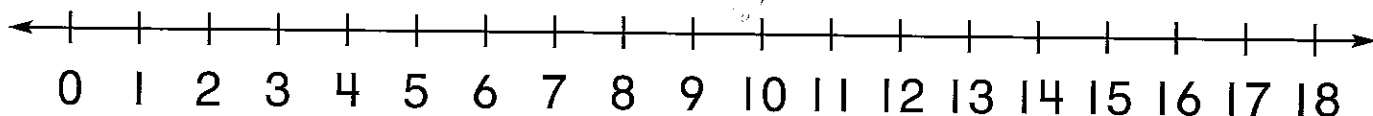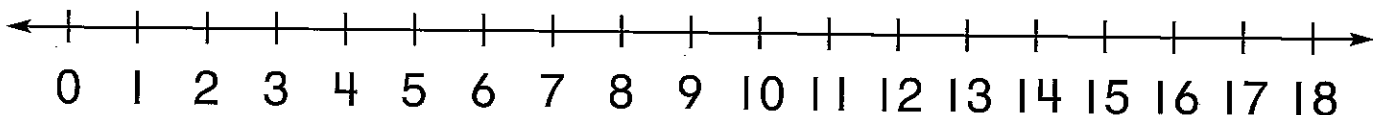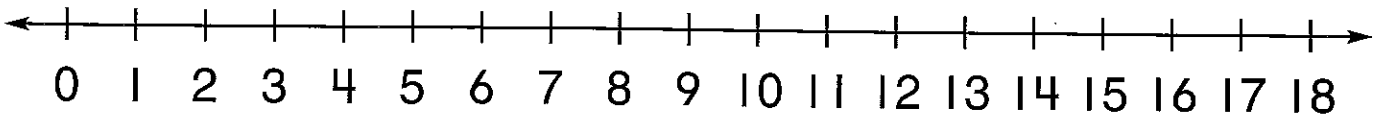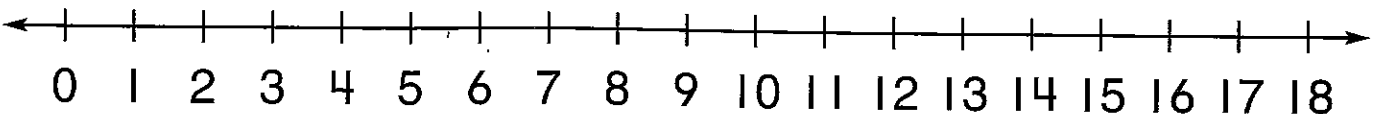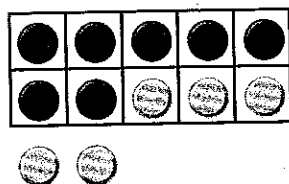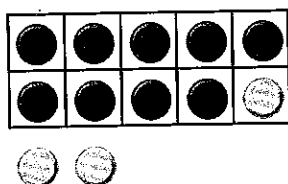
Fact Families

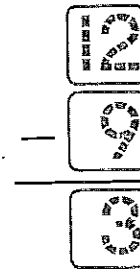Fact family for 7, 5, and 12.

$$
\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}
\qquad
\begin{array}{r} 12 \\ - 5 \\ \hline 7 \end{array}
\qquad
\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}
\qquad
\begin{array}{r} 12 \\ - 7 \\ \hline 5 \end{array}
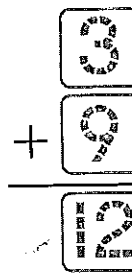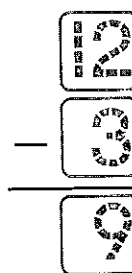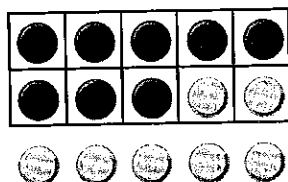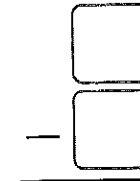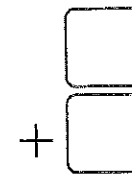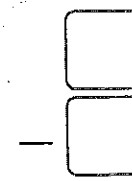$$

Complete each fact family.

1.

$$
\begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array}
\qquad
\begin{array}{r} 12 \\ - 3 \\ \hline 9 \end{array}
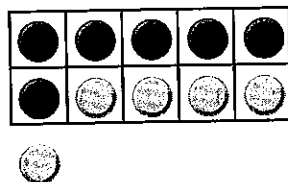\qquad
\begin{array}{r} 3 \\ + 9 \\ \hline 12 \end{array}
\qquad
\begin{array}{r} 12 \\ - 9 \\ \hline 3 \end{array}
$$

2.

$$
\begin{array}{r} 8 \\ + 7 \\ \hline \square \end{array}
\qquad
\begin{array}{r} \square \\ - \square \\ \hline \end{array}
\qquad
\begin{array}{r} \square \\ + \square \\ \hline \end{array}
\qquad
\begin{array}{r} \square \\ - \square \\ \hline \end{array}
$$

3.

$$
\begin{array}{r} 6 \\ + 5 \\ \hline \square \end{array}
\qquad
\begin{array}{r} \square \\ - \square \\ \hline \end{array}
\qquad
\begin{array}{r} \square \\ + \square \\ \hline \end{array}
\qquad
\begin{array}{r} \square \\ - \square \\ \hline \end{array}
$$

4.

$$7 + 7 = \underline{\hphantom{00}}$$

$$14 - \underline{\hphantom{00}} = \underline{\hphantom{00}}$$

5.

$$5 + 5 = \underline{\hphantom{00}}$$

$$\underline{\hphantom{00}} - \underline{\hphantom{00}} = \underline{\hphantom{00}}$$

Use with Lesson 17, text pages 41–42.
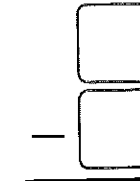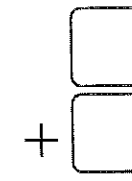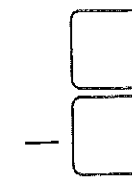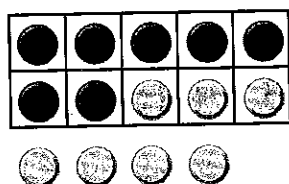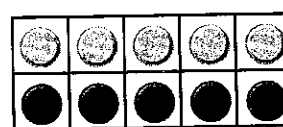
Missing Addends

Name _____

$$8 + \boxed{?} = 11$$

To find the missing addend, you can

| Count up from 8. | or | Use a subtraction fact. |

9, 10, 11 $11 - 8 = 3$

$8 + 3 = 11$ So $8 + 3 = 11$.

Choose a way. Find the missing addend.

1. $6 + \boxed{4} = 10$

7, 8, 9, 10

2. $3 + \boxed{6} = 9$

$9 - 3 = 6$

3. $5 + \boxed{} = 8$

---

4. $9 + \boxed{} = 13$

5. $8 + \boxed{} = 9$

6. $2 + \boxed{} = 11$

---

7. $4 + \boxed{} = 7$

8. $9 + \boxed{} = 14$

9. $6 + \boxed{} = 12$

---

10. $5 + \boxed{} = 13$

11. $7 + \boxed{} = 12$

12. $9 + \boxed{} = 16$

13.
$$\begin{array}{r} 7 \\ + \boxed{} \\ \hline 11 \end{array}$$

8, 9, 10, 11

14.
$$\begin{array}{r} 4 \\ + \boxed{} \\ \hline 8 \end{array}$$

15.
$$\begin{array}{r} 7 \\ + \boxed{} \\ \hline 13 \end{array}$$

Use with Lesson 18, text pages 43–44.

Fact Patterns

Name _____

Complete the pattern.

$6 + 3 = 9$
$7 + 3 = 10$
$8 + 3 = 11$
$9 + 3 = 12$

Look for a pattern. Complete it.

1.
$4 + 5 = 9$
$5 + 5 = 10$
$6 + 5 = 11$
$7 + 5 = 12$

2.
$9 + 1 = \underline{}$
$8 + 2 = \underline{}$
$7 + 3 = \underline{}$
$\underline{} + \underline{} = \underline{}$

3.
$5 + 9 = \underline{}$
$6 + 9 = \underline{}$
$7 + 9 = \underline{}$
$\underline{} + \underline{} = \underline{}$

4.
$3 + 3 = \underline{}$
$4 + 4 = \underline{}$
$5 + 5 = \underline{}$
$\underline{} + \underline{} = \underline{}$

5.
$18 - 8 = \underline{}$
$17 - 8 = \underline{}$
$16 - 8 = \underline{}$
$\underline{} - \underline{} = \underline{}$

6.
$12 - 8 = \underline{}$
$12 - 7 = \underline{}$
$12 - 6 = \underline{}$
$\underline{} - \underline{} = \underline{}$

7.
$14 - 2 = \underline{}$
$15 - 3 = \underline{}$
$16 - 4 = \underline{}$
$\underline{} - \underline{} = \underline{}$

8.

$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ -3 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ -4 \\ \hline \end{array}$
$\begin{array}{r} 7 \\ -5 \\ \hline \end{array}$
$\begin{array}{r} \square \\ -\square \\ \hline \end{array}$
$\begin{array}{r} \square \\ -\square \\ \hline \end{array}$

9.

$\begin{array}{r} 3 \\ +4 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ +5 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ +6 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$
$\begin{array}{r} \square \\ +\square \\ \hline \end{array}$
$\begin{array}{r} \square \\ +\square \\ \hline \end{array}$

Use with Lesson 19, text pages 45–46.

Problem-Solving Strategy:
Choose the Operation

Read Consuela has 11 peppers.
She puts 5 in her chili.
How many peppers does she have then?

What does the question ask?

Plan Decide whether to add or subtract.
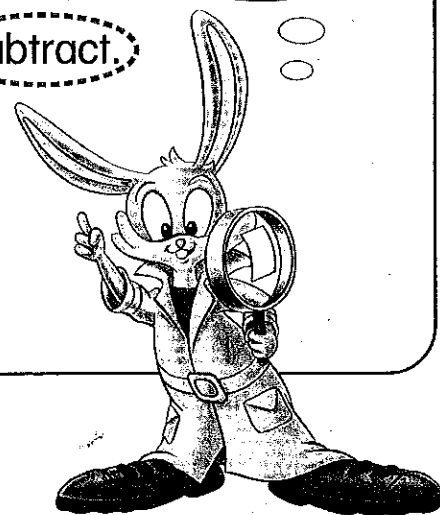To find how many left, add or (subtract).
Write a number sentence.

Write $11 - 5 = 6$

Consuela has 6 peppers then.

Check Draw a picture to check.

Circle **add** or **subtract**.
Solve the problem.

1. Marc catches 9 butterflies.
Alan catches 7 butterflies.
How many more butterflies
does Marc have?

add   or   subtract

Marc has ____ more butterflies.

2. Ned needs 11 acorns.
He has 4 acorns. How many
more acorns does Ned need?

add   or   subtract

Ned needs ____ more.

3. Patty picks 3 leaves.
Jean picks double that many.
How many leaves does
Jean pick in all?

add   or   subtract

Jean picks ____ leaves in all.

4. Ellis races 2 turtles.
Trey races 4 turtles.
Sally races 3 turtles.
How many turtles race in all?

add   or   subtract

____ turtles race in all.

Problem-Solving Applications: Mixed Strategies

Read **Plan** **Write** **Check**

Use a strategy you have learned.

Strategy File

Draw a Picture
Choose the Operation

1. There are 6 birds in a tree.
3 more fly to that tree.
How many birds are there altogether?

There are _____ birds altogether.

---

2. Melia has 9 chicks.
She gives 4 to her sister.
How many chicks does
Melia have left?

Melia has _____ chicks left.

---

3. Ky catches 5 frogs.
Betty catches 10.
How many more frogs
does Betty catch than Ky?

Betty catches _____ more frogs than Ky.

---

4. One black horse is in a line.
4 brown horses are in front of him.
4 white horses are behind him.
What position is the black horse in line?

The black horse is in _____ position.

Use with Lesson 21, text pages 49–50.