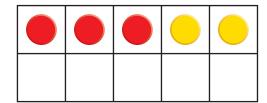
Review What You Know

Write a number sentence to answer the question.

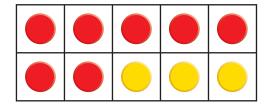
L. There are 5 birds in a tree. 3 more birds join them. How many birds are in the tree now?

birds

Write the numbers.



3 and 2 more is _____.



10 is _____ and ____.



Home-School Connection

Dear Family,

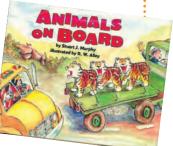
Today my class started Topic 6, Addition Facts to 12. I will learn different ways to add numbers with sums to 12. Here is a new math word I will be learning and some things we can do to help me with my math.

Love,

Book to Read

Reading math stories reinforces concepts. Look for this title in your local library:

Animals on Board by Stuart J. Murphy (HarperTrophy, 1998)



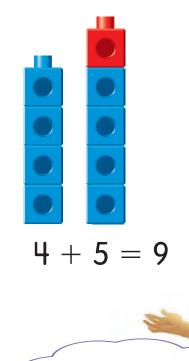
Home Activity

Fold a paper into 4 parts. Have your child draw pictures showing an addition story in each section. Then ask him or her to write an addition sentence for each picture.

My New Math Words

near double

an addition fact that has an addend that is one more than the other addend



4 + 4 = 88 and 1 more is 9.



Lesson 6-1

Adding with 0, 1, 2



3.



Home Connection Your child used the concepts of zero more, one more, and two more to learn addition facts involving a 0, 1, or 2.

Home Activity Say a number up to 10. Ask your child to tell you what numbers are zero more, one more, and two more than the given number. Repeat with several numbers.

NS 2.1 C Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory. Also **NS 2.3** C.

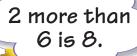
There are 3 carrots in the pot.

Add I more.

1 more than 3 is 4.

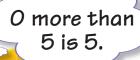


There are 6 tomatoes in the pot. Add 2 more.



$$6 + 2 = 8$$

There are 5 peppers in the pot. Add 0 more.



$$5 + 0 = 5$$

I can add like this too!

I can add with 1, 2, or O.

Guided Practice

Add I, 2, or 0 to find the sum. Write the addition fact.







Do you understand? Why does it help to think about 2 more when you need to add 2?

Independent Practice

Write the sum.

$$8 + 1 =$$

6.

$$5 + 0 =$$

7.

Algebra Circle true or false.

12.

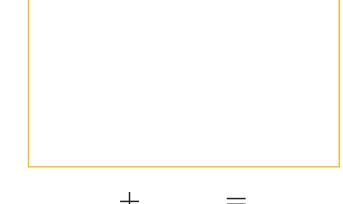
$$8 + 0 = 0 + 8$$
 True

False

Solve the problem below.

13. Anna filled 7 bowls with soup. Jason filled I more bowl. How many bowls have soup? Draw a picture to solve. Write the addition fact.

bowls



14. Tim is 5 years old. Maria is 2 years older than Tim. Which number sentence helps you find Maria's age?

2+7=9 5-2=3 5+1=6 5+2=7

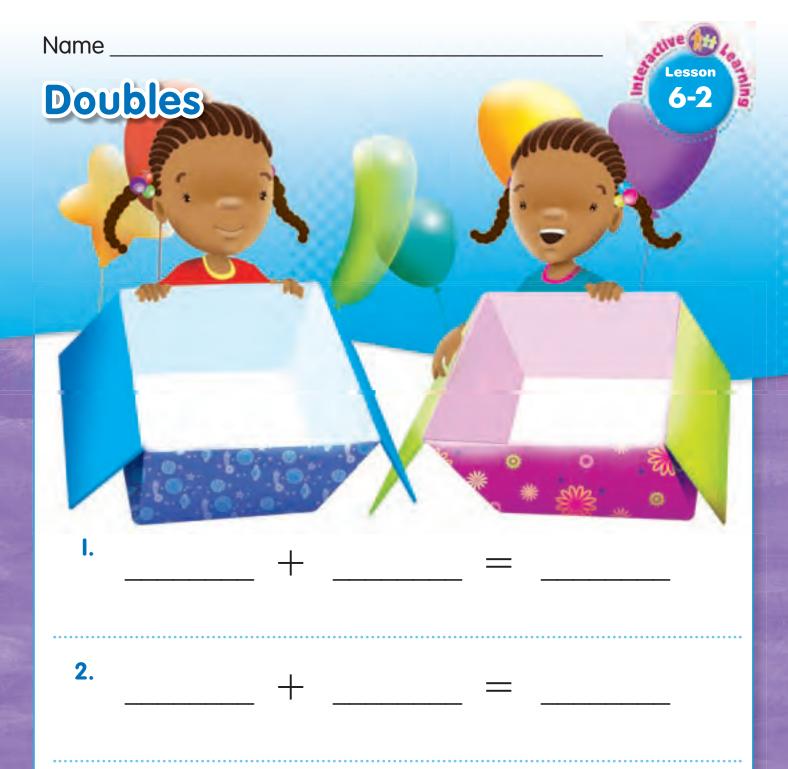
15. Journal Draw a picture to solve. Write how many carrots each child has.

Max has I more carrot than Jena. Jena has 2 more carrots than Sal. Sal has 4 carrots.

Max

Jena

Sal





Home Connection Your child identified and completed doubles facts such as 2 + 2 and 8 + 8. **Home Activity** Have your child look for doubles around the house. Then ask him or her to name and complete the doubles facts for the objects.

NS 2.1 C Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory.

This is a double.

$$2 + 2 = 4$$

The addends are the same.

This is also a double.

$$5 + 5 = 10$$

This is not a double.

$$2 + 1 = 3$$

The addends are not the same.

This is not a double.

$$3 + 5 = 8$$

I know that double 3 is 6.



So,

3 + 3 = 6

Think of doubles when both addends in an addition fact are the same.

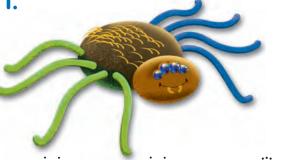
$$2 + 2 = 4$$

$$2 + 2 = 4$$
 $5 + 5 = 10$

$$3 + 3 = 6$$

Guided Practice

Write the addition sentence for each double.









Do you understand? Is 6 + 4 a double? Explain.

Independent Practice

Write the sum.

$$2 + 2 =$$

$$0 + 0 =$$

Algebra Write the missing number.

13.
$$6 + \underline{} = 12$$

Solve the problems below.

15. Neela made 4 pies. John made the same number of pies. How many pies did Neela and John make in all? Draw a picture to solve.



_ pies

16. Danny has 2 baskets. He puts 6 pencils in each basket.

> How many pencils does Danny put in the baskets altogether?





17. Journal Draw a picture to show a double. Then write the doubles fact.



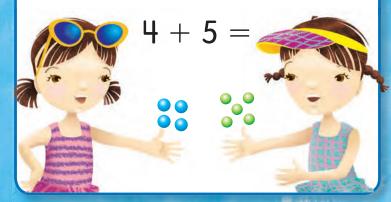


Home Connection Your child used doubles to find the sum of near doubles. A near double is I more than a double.

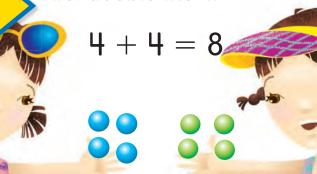
Home Activity Pose some near doubles for your child to solve where one number is greater than the other (for example, 4+5, 3+2, 3+4). Ask your child to explain how to use a double to help find the sum.

NS 2.1 C Know the addition facts (sums to 20) and the corresponding subtraction facts and commit them to memory.

You can use a double to add a near double.



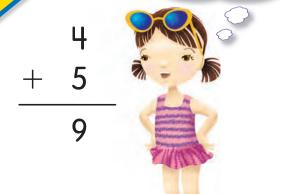
First double the 4.



4 + 5 is

4 + 4 and I more.

8 and 1 more is 9.



Guided Practice

Add.

1.
$$2+3 \rightarrow 2 + 2 \quad \text{and I more} \rightarrow 2+3= \frac{5}{2}$$

2.
$$4 + 5 \rightarrow$$
 $+$ and I more \rightarrow $4 + 5 = _____$

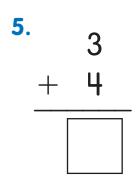
3.
$$3 + 4 \rightarrow \boxed{}$$
 + $\boxed{}$ and I more $\rightarrow 3 + 4 = \underline{}$

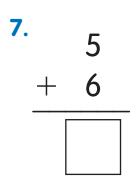
4.
$$5 + 6 \rightarrow \boxed{ }$$
 and I more $\rightarrow 5 + 6 = ___$

Do you understand? How does knowing the sum of 3 + 3 help you find the sum of 3 + 4?

Independent Practice

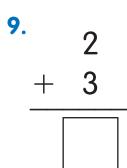
Add.

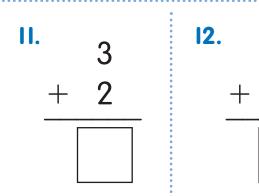




Word Bank

near double





Algebra Write the missing number.

13.
$$3 + \underline{\hspace{1cm}} = 5$$

Solve the problems below.

Jane ate 5 pears.

Jane ate 5 pears and then I more.

How many pears did Omar and Jane eat in all?

Write an addition sentence to solve.

____ + ____ = ____

pears

16. Smeeta found 3 shells.Jack found 3 shells and then I more.How many shells didSmeeta and Jack find in all?

____ + ____ = ____

____shells

17. Patty played 4 games of jump rope.
Mario played 4 games of jump rope and then I more.
How many games of jump rope did
Patty and Mario play in all?

10

9

8

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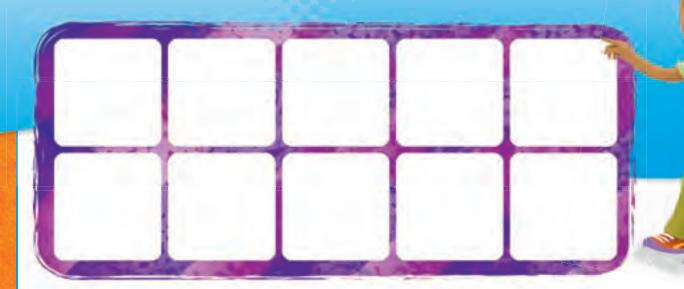
18. Journal Write a story problem about a near double.

Then draw a picture to show the story.



Lesson 6-4

Facts with 5 on a Ten-Frame



$$+ = 10$$

$$_{---} + _{---} = 10$$

$$_{---} + _{---} = 10$$

$$5 + =$$

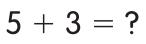
$$_{----} + _{---} = 10$$

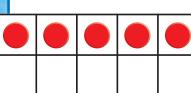


Home Connection Your child used counters and a ten-frame (at the top of the page) to write an addition sentence with 5 as one addend. Then he or she wrote an addition sentence with 10 as the sum. **Home Activity** Give your child a number from 6 to 9. Ask him or her to tell you an addition fact with a 5 for that number. Then ask what number can be added to the number to make 10.

NS 1.3 Represent equivalent forms of the same number through the use of physical models, diagrams, and number expressions (to 20) (e.g., 8 may be represented as 4 + 4, 5 + 3, 2 + 2 + 2 + 2, 10 - 2, 11 - 3).

You can use a ten-frame to show an addition fact with 5.

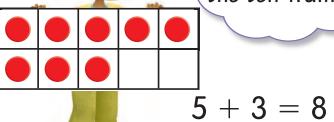




5 and 3 more is 8.



There are 8 counters in the ten-frame.

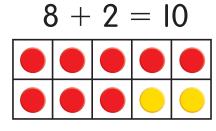


The ten-frame shows another addition fact.

You have 8. Make 10.



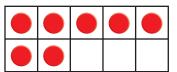
2 boxes are empty.



8 plus 2 more is 10.

Guided Practice

Look at the ten-frames. Write an addition fact with 5. Then write an addition fact for 10.

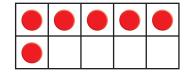


2.

Start with 5.

Then add 3

more.



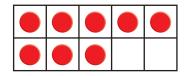
$$_{---} + _{---} = 10$$

3.



$$+ = 10$$

4.

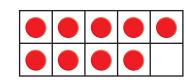


$$_{---} + _{---} = 10$$

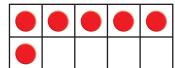
Do you understand? How does a ten-frame help you add 5 + 4?

Independent Practice

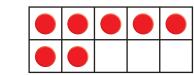
Look at the ten-frames. Write an addition fact with 5. Then write an addition fact for 10.



$$_{---} + _{---} = 10$$



$$+ = 10$$



$$+ = 10$$

8.



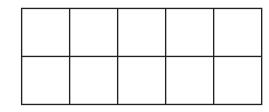
$$+$$
 $=$ 10

Algebra Write the missing number.

$$8 + _{---} = 10$$

$$6 + = 10$$

II. Maya's team has 5 softballs. Maya's coach brings 3 more. How many softballs does the team have now? Draw counters in the ten-frame. Then write an addition fact to solve.



softballs

Todd's team has 7 soccer balls. 12. Todd's coach brings 3 more. Which addition fact shows how many soccer balls the team has now?

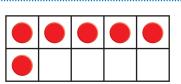


$$10 + 3 = 13$$

$$10 + 7 = 17$$

13. Journal Write a story about the ten-frame. Then write an addition fact for your story.



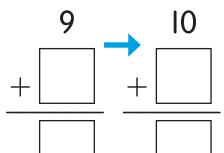


Making 10 on a Ten-Frame



1.

2.



3.

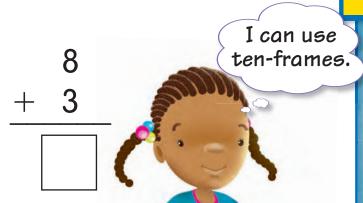


Home Connection Your child learned how to make a group of 10 to find sums greater than 10 using counters and ten-frames.

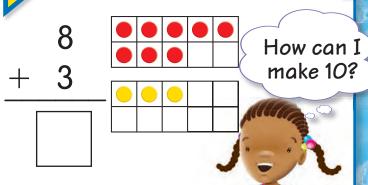
Home Activity Find at least 12 small objects that will fit in the ten-frames above. Ask your child to use the objects to explain how to make a ten to add 3+9 and 7+4.

NS 1.3 Represent equivalent forms of the same number through the use of physical models, diagrams, and number expressions (to 20) (e.g., 8 may be represented as 4 + 4, 5 + 3, 2 + 2 + 2 + 2, 10 - 2, 11 - 3).

You can make 10 to add.



Use a ten-frame for each number.



Move 2 from the bottom.

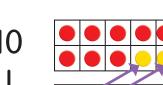
1 counter is

left in the

bottom

ten-frame.

Add it to 8. This makes 10.



10 + 1 = 11,

so
$$8 + 3 = 11$$
.



8+3 is the same as 10 + 1.

Guided Practice

Write the missing numbers.

2.

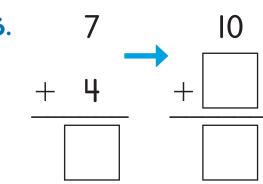
3.

Do you understand? How is 9 + 3 like 10 + 2?

Independent Practice

Write the missing numbers.

5.



7.

8.

$$\begin{array}{c} & 9 & 10 \\ + 3 & + \boxed{} \\ \hline \end{array}$$

Algebra Write the missing number.

$$7 + _{---} = 12$$

Solve the problem below.

II. Billy has 8 green marbles. He has 4 blue marbles. How many marbles does Billy have in all? Make 10 to solve. Write 2 addition sentences.



10 + =

12. Maria has 7 marbles in a bag. She has 4 more marbles outside the bag. Which addition sentence with 10 shows how many marbles Maria has in all?

$$IO + I = II$$

$$10 + 2 = 12$$

$$10 + 1 = 11$$
 $10 + 2 = 12$ $10 + 3 = 13$ $10 + 4 = 14$

$$10 + 4 = 14$$





$$\bigcirc$$

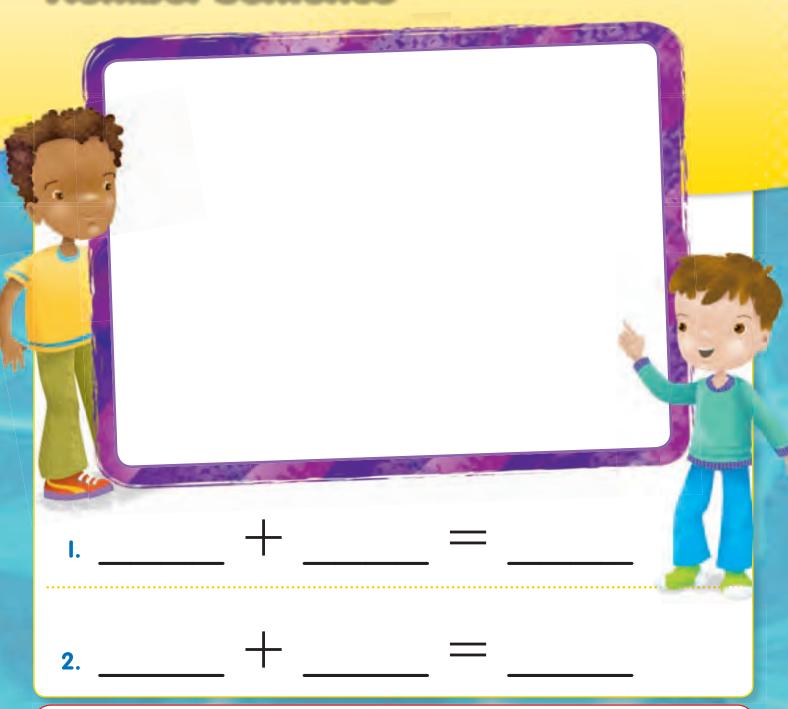


13. Journal Draw a picture of 9 green balloons and 3 blue balloons. Make a 10 to find how many balloons in all. Write 2 addition sentences about the balloons.



Lesson 6-6

Draw a Picture and Write a Number Sentence





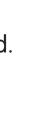
Home Connection Your child used pictures and number sentences to help solve story problems. **Home Activity** Ask your child to draw a picture and write a number sentence for the following problem: 5 dogs were in the yard. Another 5 dogs joined them. How many dogs are in the yard now?

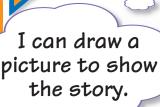
MR 1.2 Use tools, such as manipulatives or sketches, to model problems. Also NS 2.1 (>>> , AF 1.1.

Read and Understand

There are 5 frogs in the pond. 4 more jump in.

How many frogs are in the pond now?



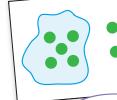


Plan











I can count the frogs in the picture to check my answer.

Look Back and Check



Guided Practice

Draw a picture. Then write a number sentence.

I. Maria saw 3 birds.
Then she saw 8 more birds.
How many birds did Maria see in all?

$$+$$
 = birds

2. 6 rabbits hop in the field. 4 rabbits hop with them. How many rabbits hop in the field now?

Do you understand? How does drawing a picture help you solve a problem?

Independent Practice

Draw a picture. Then write a number sentence.

3. Twan picks 9 berries.
Then he picks 3 more.
How many berries does
Twan pick?

4. 8 bugs sit on a leaf.
4 more bugs sit with them.
How many bugs are there in all?

5. 6 ducks are in a row.
6 more ducks join them.
How many ducks are in the row now?

Solve the problems below.

6. 7 children play a game. 5 more children come to play. How many children play the game? Draw a picture to help you solve the problem.



7. Which number sentence matches the picture?

children



$$1 + 7 = 8$$
 pails

$$2 + 7 = 9 \text{ pail}$$

$$1 + 7 = 8$$
 pails $2 + 7 = 9$ pails $3 + 7 = 10$ pails $4 + 7 = 11$ pails

$$4+7=11$$
 pails







8. Journal Draw a picture to show 5 + 6 = 11. Write a story about your picture.

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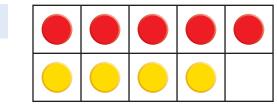
Test

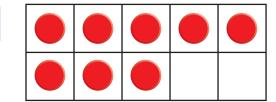
$$| 9 + | =$$

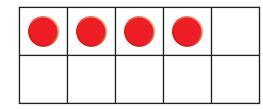
12

Ш

12







$$10 + 4 = 14$$
 $10 + 3 = 13$

$$10 + 3 = 1$$

$$10 + 2 = 12$$
 $10 + 1 = 11$

$$10 + 1 = 1$$





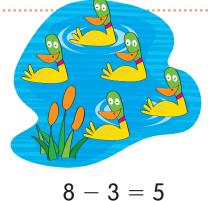


$$\bigcirc$$









$$5 - 3 = 2$$
 $5 + 3 = 8$

$$5 + 3 = 3$$

$$= 5 \qquad 3 + 2 = 5$$

Reteaching

Add I, 2, or 0 to find the sum. Write the addition fact.

Set A

There are 8 peppers in the pot. You can add I more by counting I more.



I more than 8 is 9.

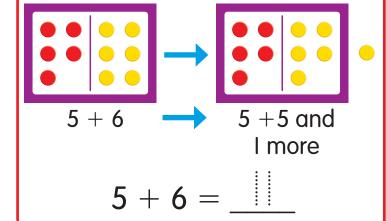




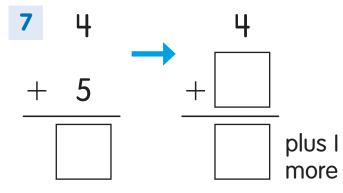


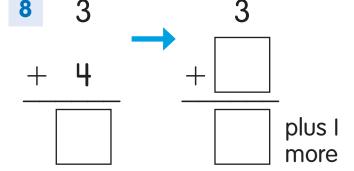
Set C

You can use a double to add a near double.



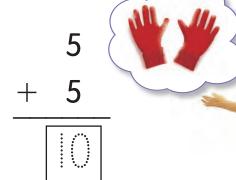
Use a double to add the near double. Write the numbers.





Set B

Write the sum.

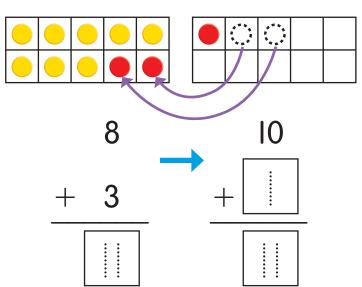


You can think of doubles when both numbers in an addition fact are the same.

Write the sum.

Set D

You can make 10 to add.



Make 10 to add.

