#### **Review What You Know**

 Kira has 5 basketballs.
 Draw a picture of her basketballs.

#### 2. Write the number of balloons.

**3.** Write the number of animals in each group.



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Home-School Connection

#### Dear Family,

Today my class started Topic 3, **Understanding Addition.** I will learn parts of numbers through 9 and learn how to write an addition sentence. Here are some of the new math words I will be learning and some things we can do to help me with my math.

derstand

Love,

#### **Book to Read**

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

Addition Annie by David Gisler (Children's Press, 2002)

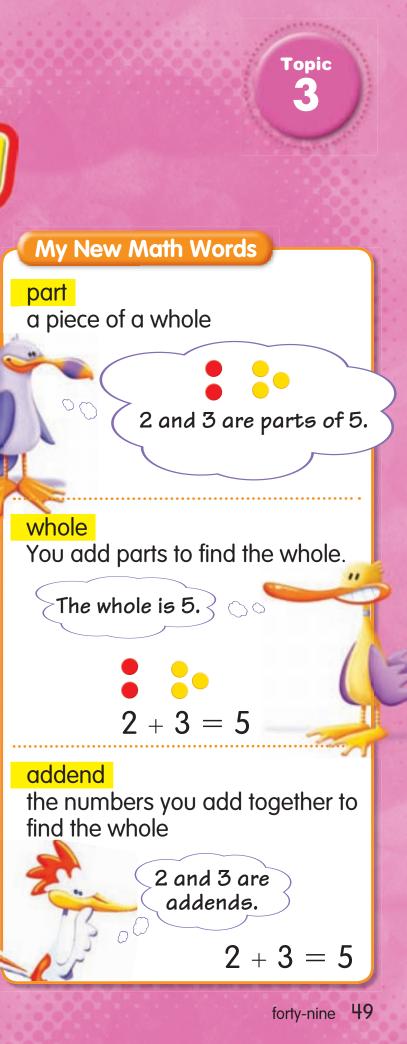
# Addition Amnie

#### Home Activity

Go on a counting hunt with your child. Find 7 small items such as leaves, buttons, or paper clips. Fold a sheet of paper in half. Have your child write "7" on the paper. Then have your child glue or tape one part of the 7 objects on one half and the other part of the 7 on the other half.



Topic 3



### Number of players: 2

#### How to Play

PH-

- Meláne Numbers I. Place number cards facedown.
- 2. Take turns. Choose 2 cards and use snap cubes to make each number.

Finish

Sheep Crossing! Lose

a turn.

- 3. Join the snap cubes to make a new number. Move your marker that many spaces.
- 4. If you land on a red space, follow the directions.
- 5. Keep playing until both of you reach FINISH.

Cows

Crossing!

Lose

a turn.



Train Crossing!

Lose a turn.

Train Stop!

What You Need

9 snap cubes 🗊 💕

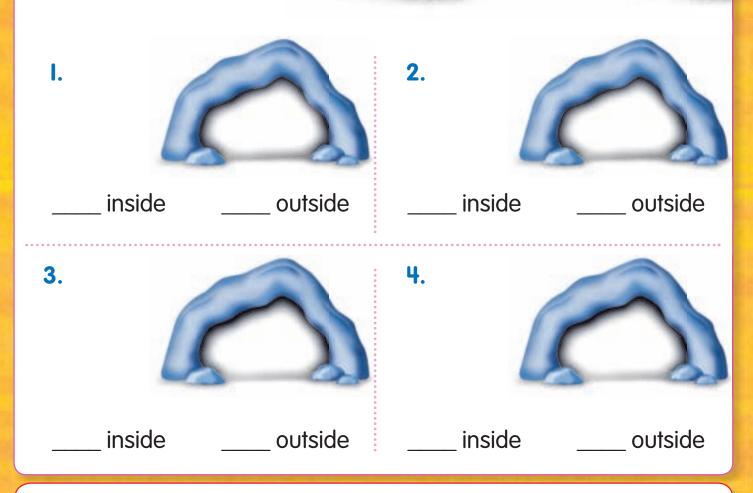
2 game markers

number cards 1-5

Lose a turn.

## Making 6 and 7



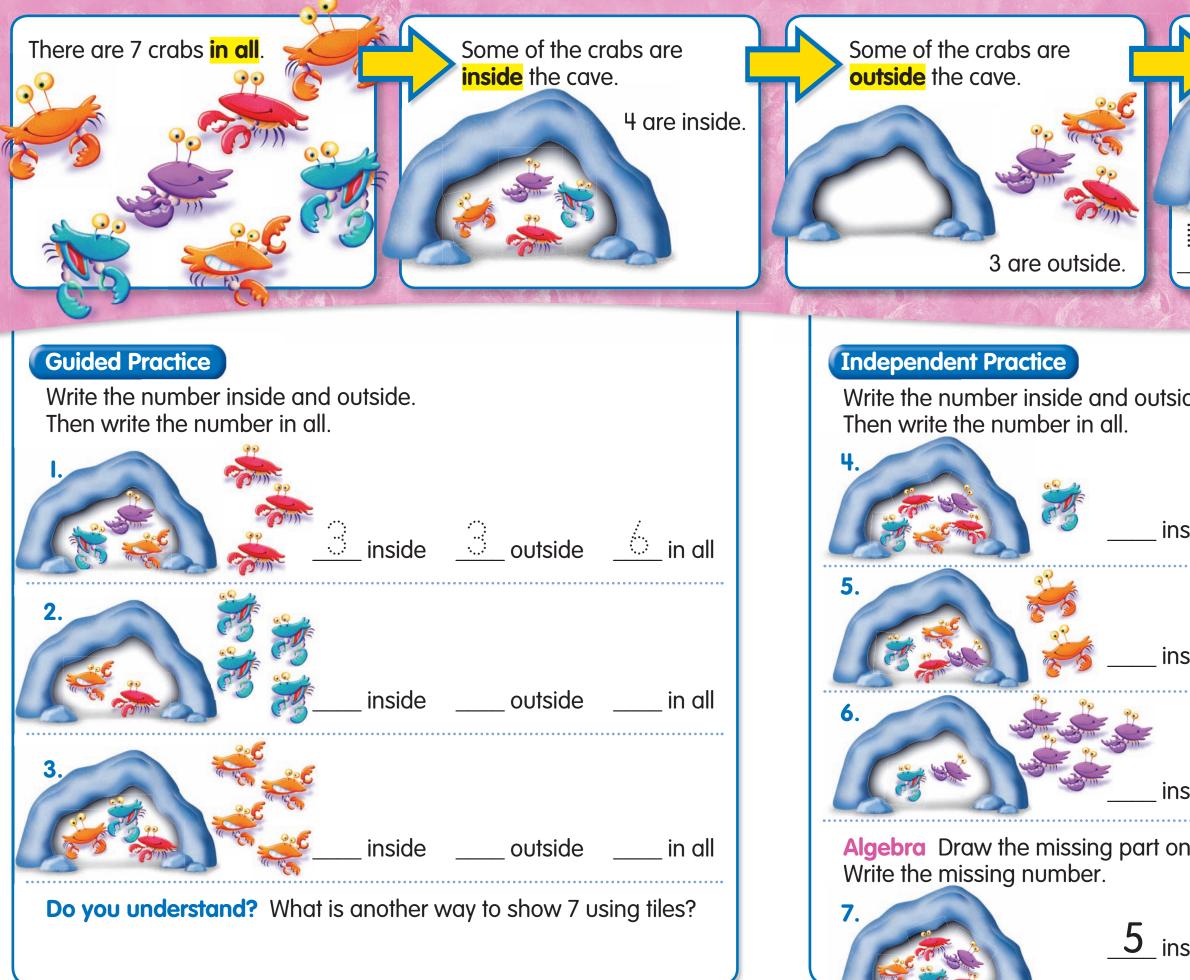




Home Connection Your child found two parts that made the numbers 6 and 7 as readiness for finding sums of 6 and 7.

Home Activity Use pennies or buttons to help your child show different parts of 6 and 7.

**NS I.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).

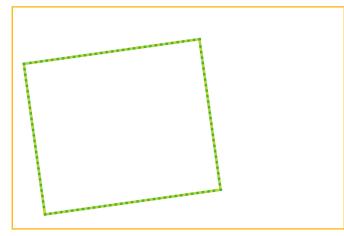


inside <u></u> inside in all				
ASSESS TO THE PARTY OF THE PARTY				
Word Bank in all inside outside				
side outside in all				
side outside in all				
side outside in all				
n the outside.				
sideoutsideo				

Problem Solving

Solve the problems below.

 Bill put 3 toy trucks inside the box. He put 4 toy trucks outside the box. How many trucks are there in all? Draw a picture to solve.



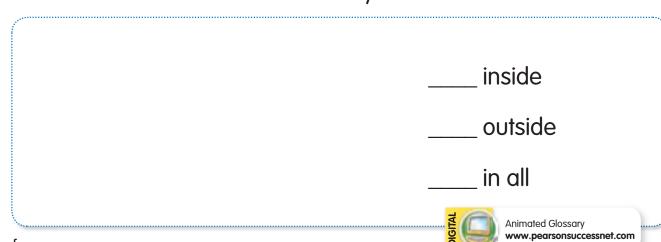
\_\_\_\_ trucks

Ana hides 5 blocks under the table.
 She hides I block under the chair.

How many blocks does Ana hide in all?

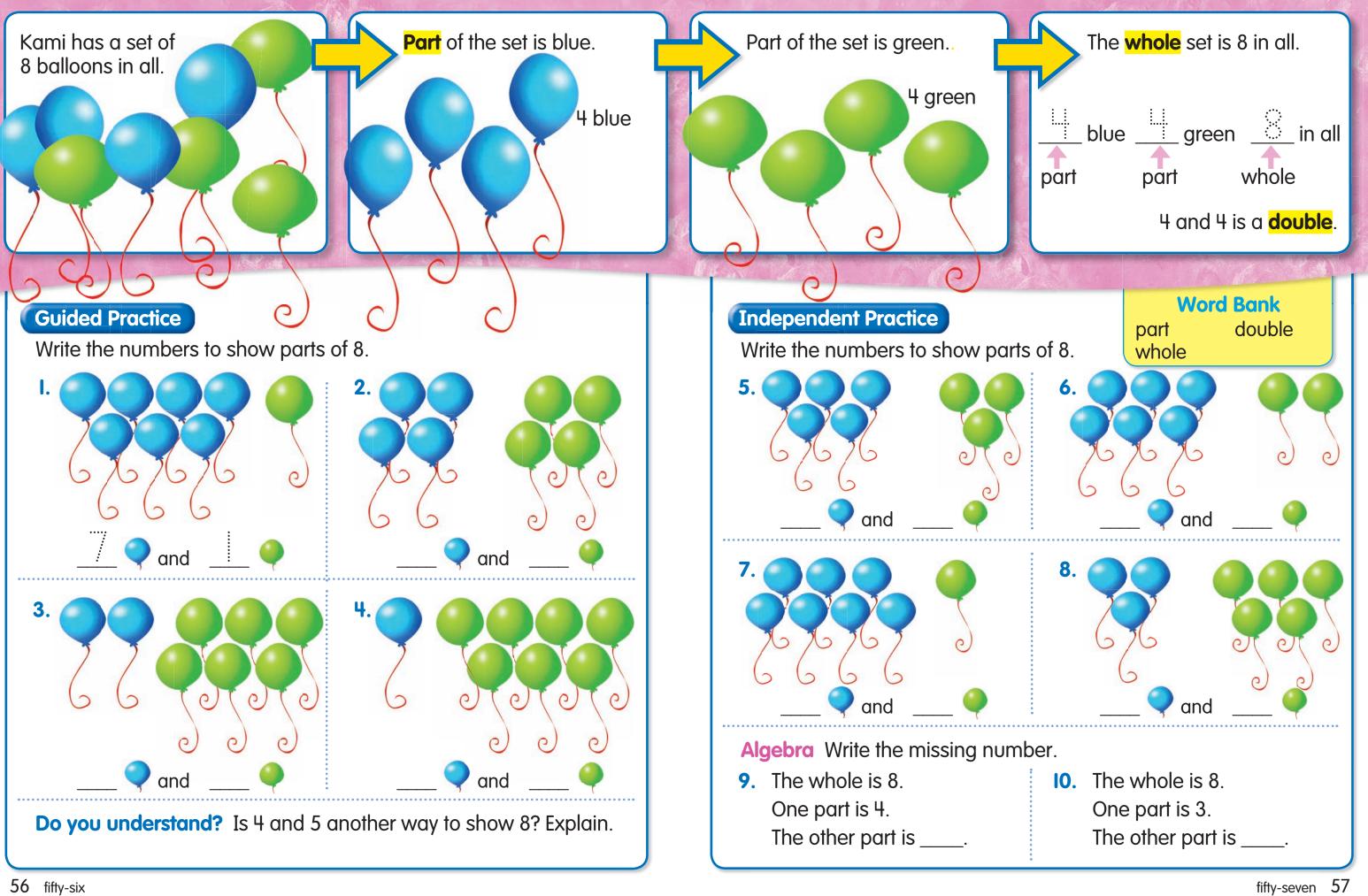


**10.** Journal Write a sentence about 6 toy cars. Draw a picture to match. Put some inside. Put some outside. Write numbers to tell about the story.



FOLD



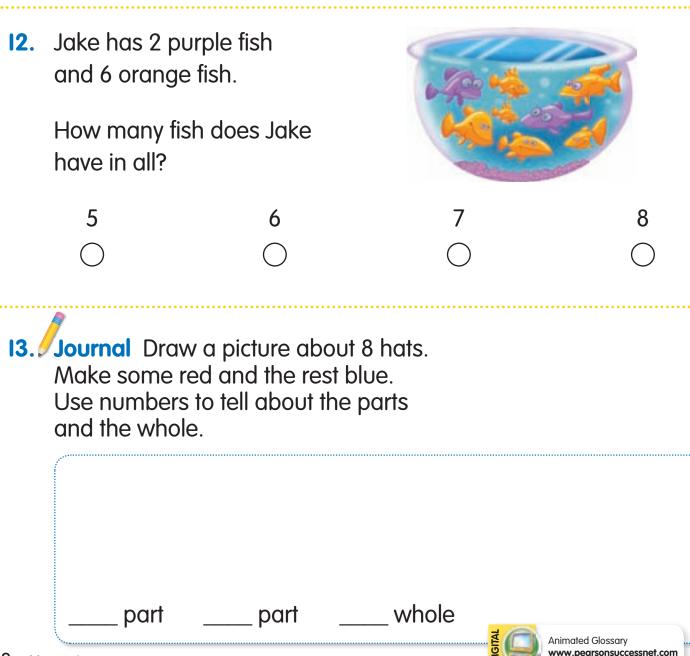




Solve the problems below.

Miko draws 5 yellow flags.
 Then he draws 3 red flags.
 How many flags does Miko draw?
 Use counters to solve.

\_\_ flags

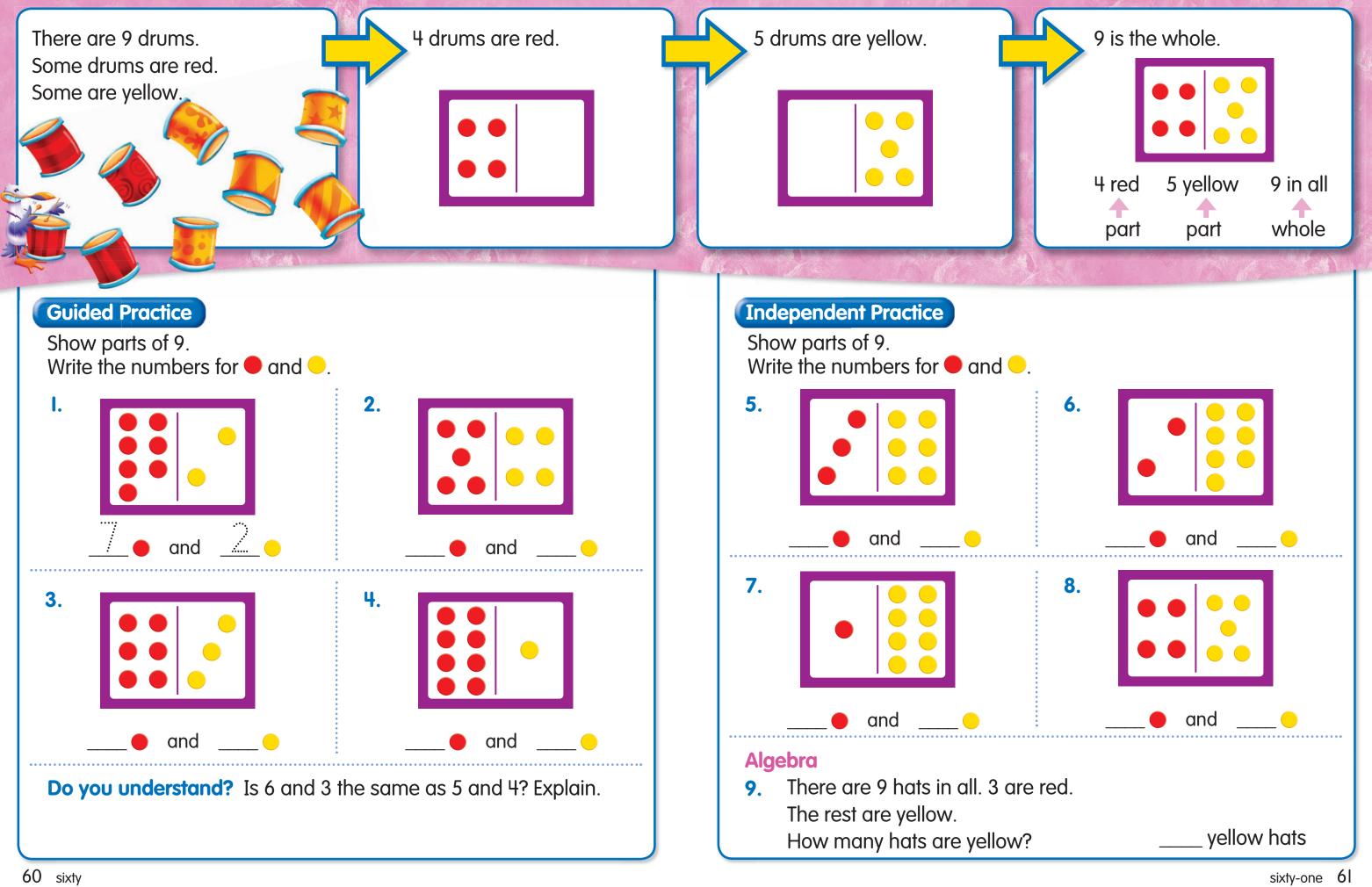


FOLD

Name	Lesson
Making 9	3-3

Home Activity Have your child cut 9 small pieces each of red and yellow paper. Place the pieces in a paper bag. Have your child take out 9 pieces without looking. Ask your child to identify the parts of 9—the number of red pieces and the number of yellow. Repeat the activity several times.

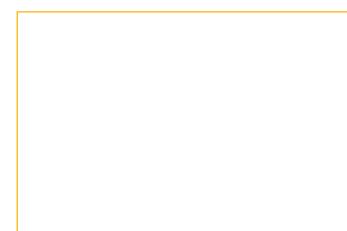
**NS 1.3** Represent equivalent forms of the same number through the use of physical models, diagrams, and number expressions (to 20) (e.g., 8 may be represented as 4 + 4, 5 + 3, 2 + 2 + 2 + 2, 10 - 2, 11 - 3).



#### Problem Solving

Solve the problems below.

 IO. There are 3 red stars and 6 yellow stars. How many stars are there in all? Draw a picture to solve. Write how many in all.



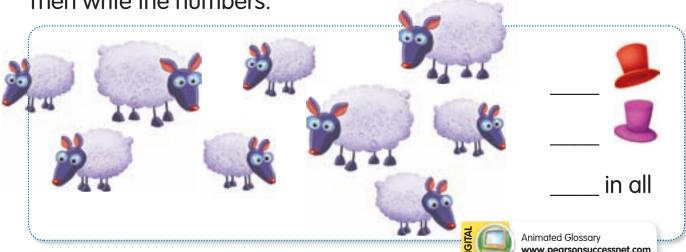
#### stars

Maria sees 2 children with drums.
 She sees 7 children with horns.

How many children does Maria see in all?



I2. Journal 9 sheep with hats are in the parade.
 Choose how many wear and .
 Draw the hats on the sheep.
 Then write the numbers.



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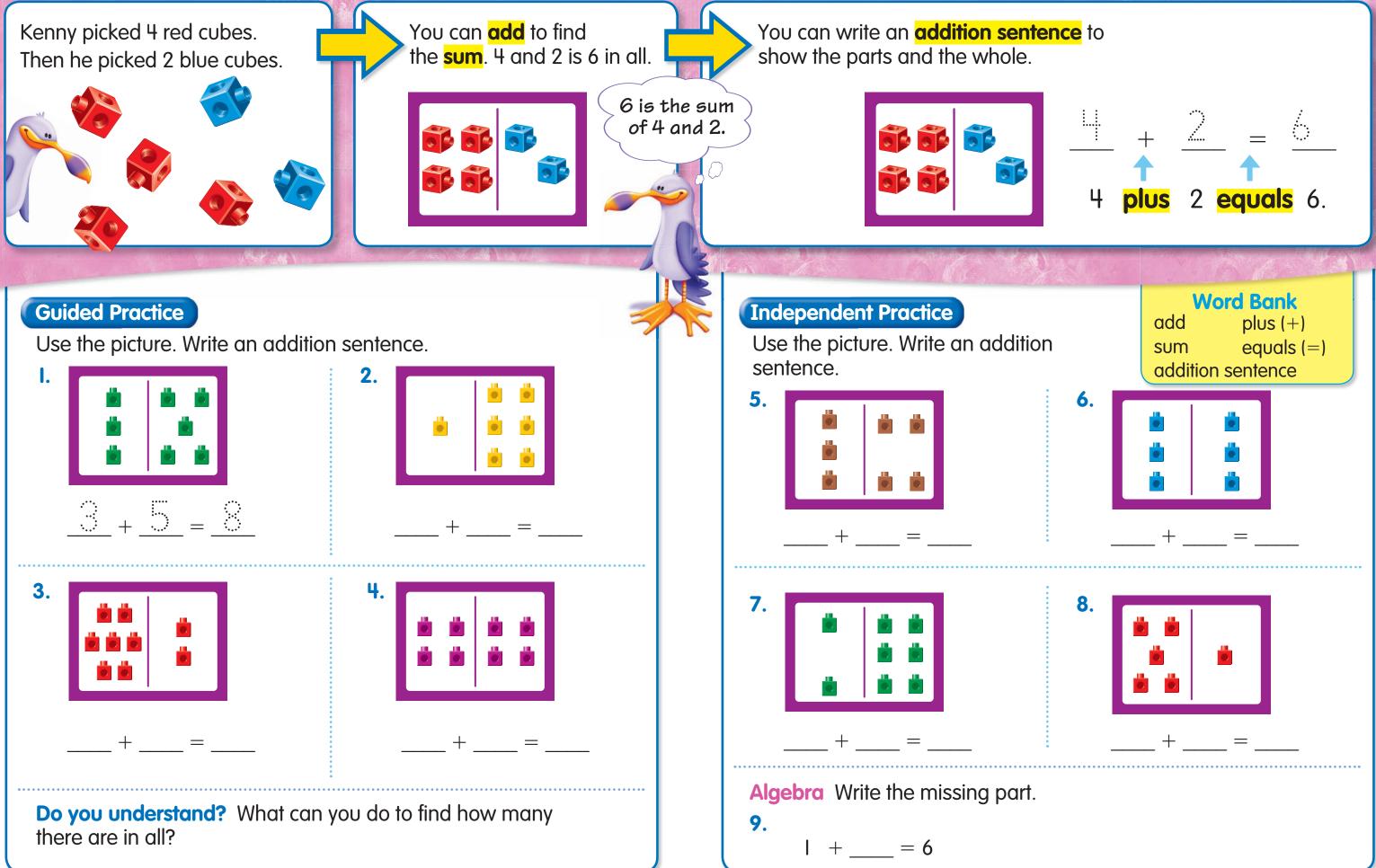


Ι.	and	is	in all.	
2.	and _	is	in all.	
3.	and	is	in all.	



**Home Connection** Your child was introduced to addition sentences and to the plus and equals symbols. **Home Activity** Give your child two groups of small objects to count—for example, one group of 3 buttons and one group of 4 buttons. Together, find the total number of buttons and say the corresponding addition sentence: "3 plus 4 equals 7." Repeat the activity several times with different groupings.

**AF I.2** Understand the meaning of symbols +, -, =. Also **NS 2.5**  $\bigcirc$ 





#### Problem Solving

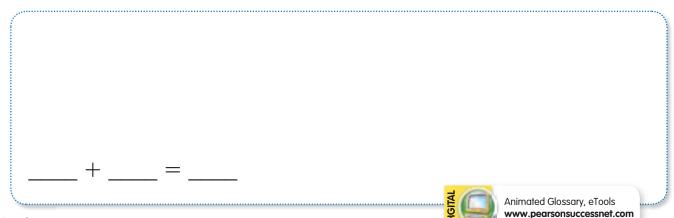
Solve the problems below.

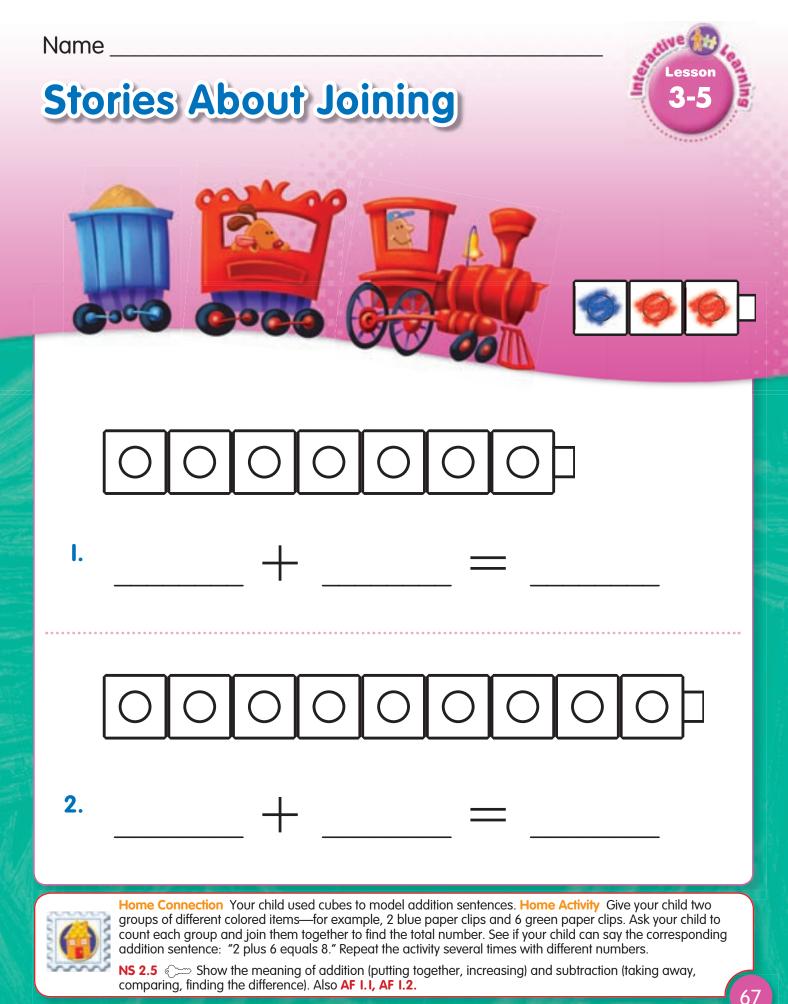
- Io. Jen found 2 orange leaves. Then she found 5 yellow leaves. How many leaves did Jen find in all? Draw a picture to show the story. Write an addition sentence.
- II. Tim drew 4 green apples. Then he drew 3 red apples. Which addition sentence shows how many apples Tim drew?

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

4 + 2 = 6 4 + 3 = 7 4 + 4 = 8 4 + 5 = 9 $\bigcirc$   $\bigcirc$   $\bigcirc$ 

12. Journal Draw a number story about red worms and brown worms. Write an addition sentence to tell how many worms there are in all.





The first group is 5. The Add to find how many 5 train cars stop at the red light. Then 2 more train cars stop. How second group is 2 more. in all. many train cars are there now? You can **join** the groups to find 5 + 2 the sum. 5 plus 2 more **Guided Practice Independent Practice** 

Write an addition sentence. Solve.

I. There are 3 trucks in the lot. Then 3 more trucks join them.

How many trucks are there in all?

2. 3 children jump rope. Then 5 more children join them.

> How many children are jumping rope now?

**Do you understand?** How can you tell if a story is about joining?

3. 4 children ride bikes. Then 4 more children join them.

> How many children are riding bikes now?

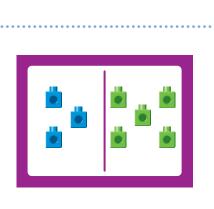
**4.** 3 children wait for the bus.

Then 6 more children join them.

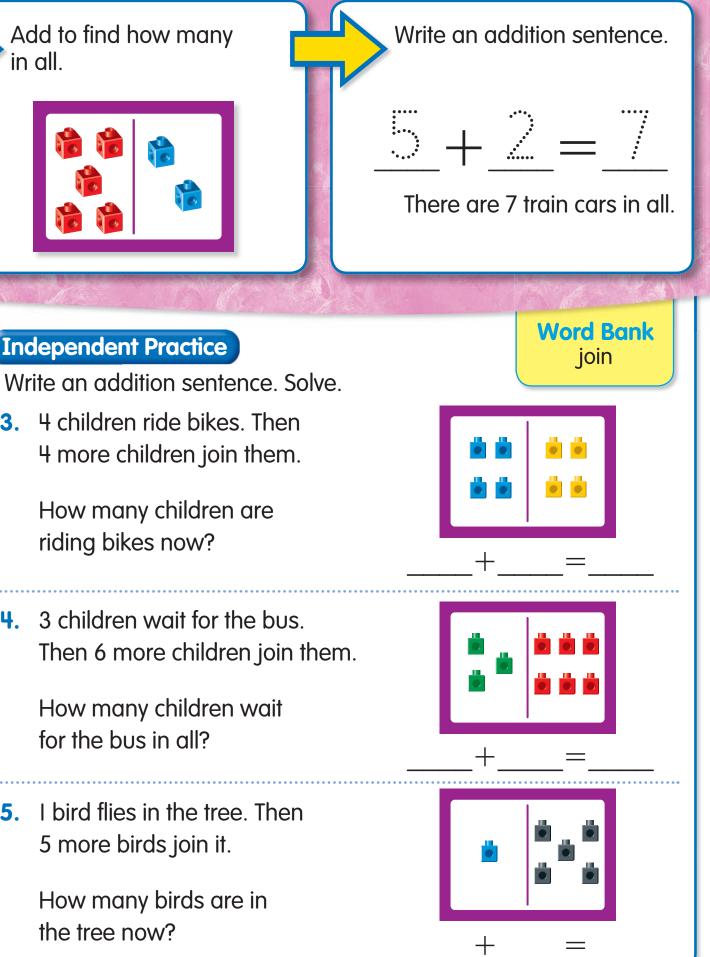
How many children wait for the bus in all?

5. I bird flies in the tree. Then 5 more birds join it.

> How many birds are in the tree now?



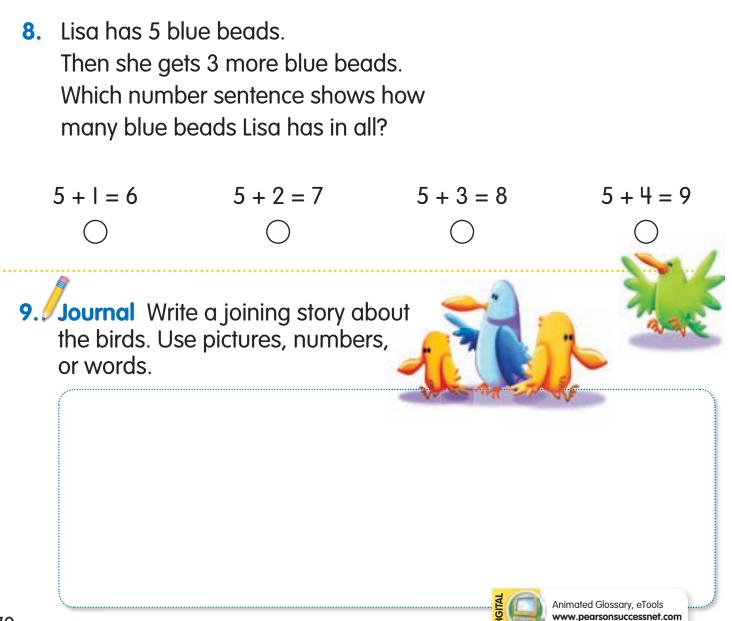
 $\circ$  +  $\circ$  =  $\circ$ 



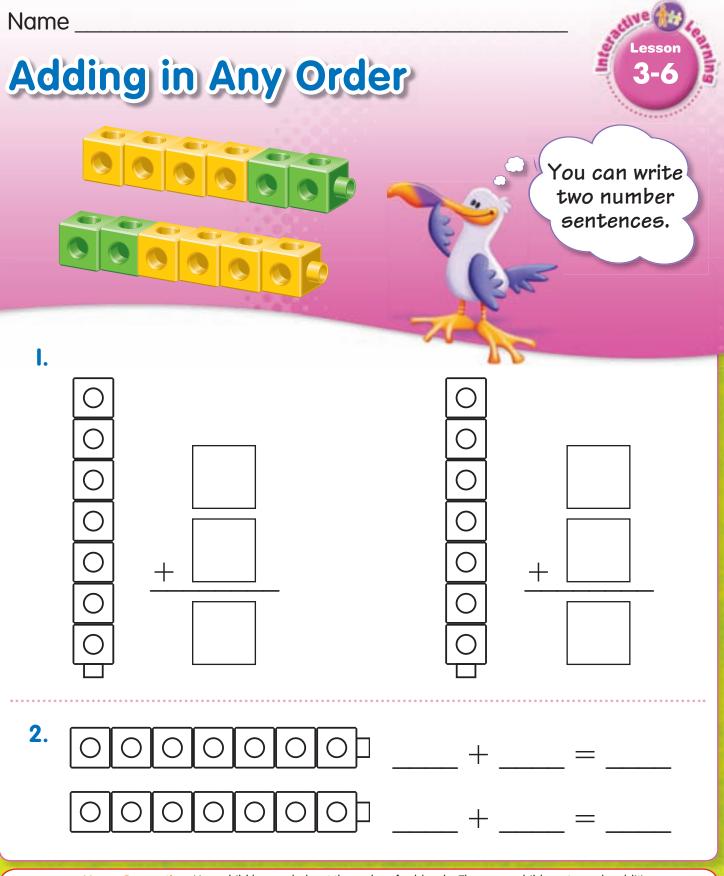


Use 💏 and 📷 to solve.

- Ben saw 3 big dogs. Then he saw 4 small dogs. How many dogs did Ben see in all? Write an addition sentence.
- 7. 8 friends play ball.
  I more friend joins them.
  How many friends
  play ball in all? Write
  an addition sentence.



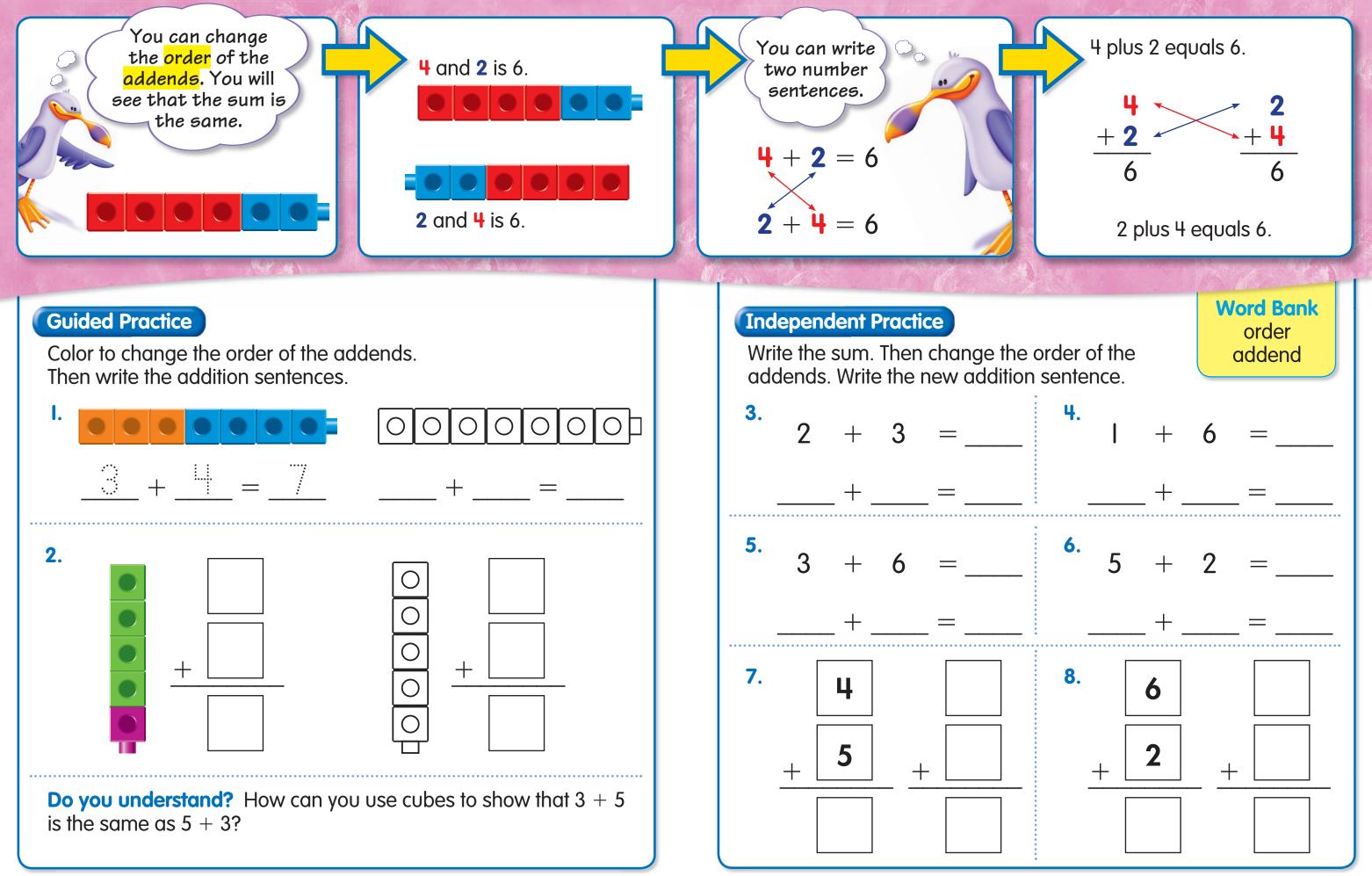
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**Home Connection** Your child learned about the order of addends. Then your child wrote each addition sentence. **Home Activity** On a small slip of paper, have your child draw some blue dots and some red dots in a row—for example, 2 blue dots and 3 red dots. Ask your child what addition sentence the dots show (2 + 3 = 5). Then turn the paper upside down and ask what addition sentence the dots show now (3 + 2 = 5).

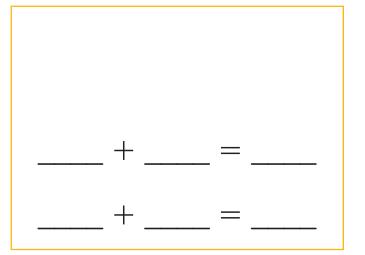
AF I.I, Grade 2 C Use the commutative and associative rules to simplify mental calculations and check results. Also NS I.3.

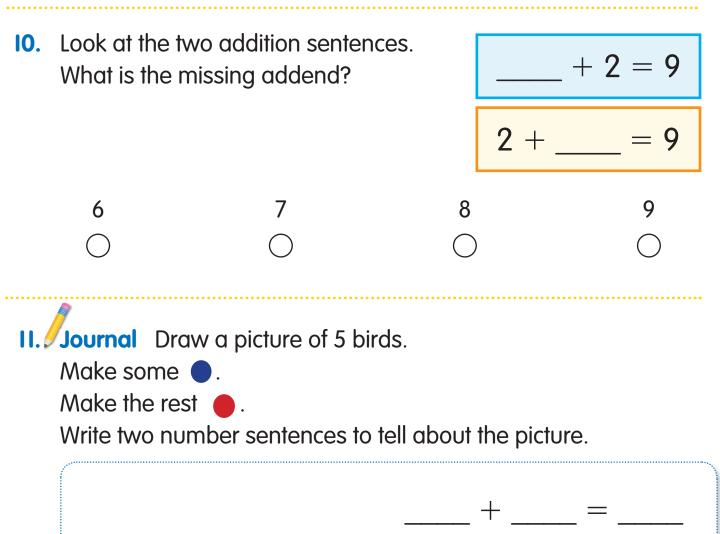




Solve the problems below.

9. Ed put I green cube in a box. Then he put 3 brown cubes in the box. How many cubes did Ed put in the box? Draw a picture. Write two different addition sentences.





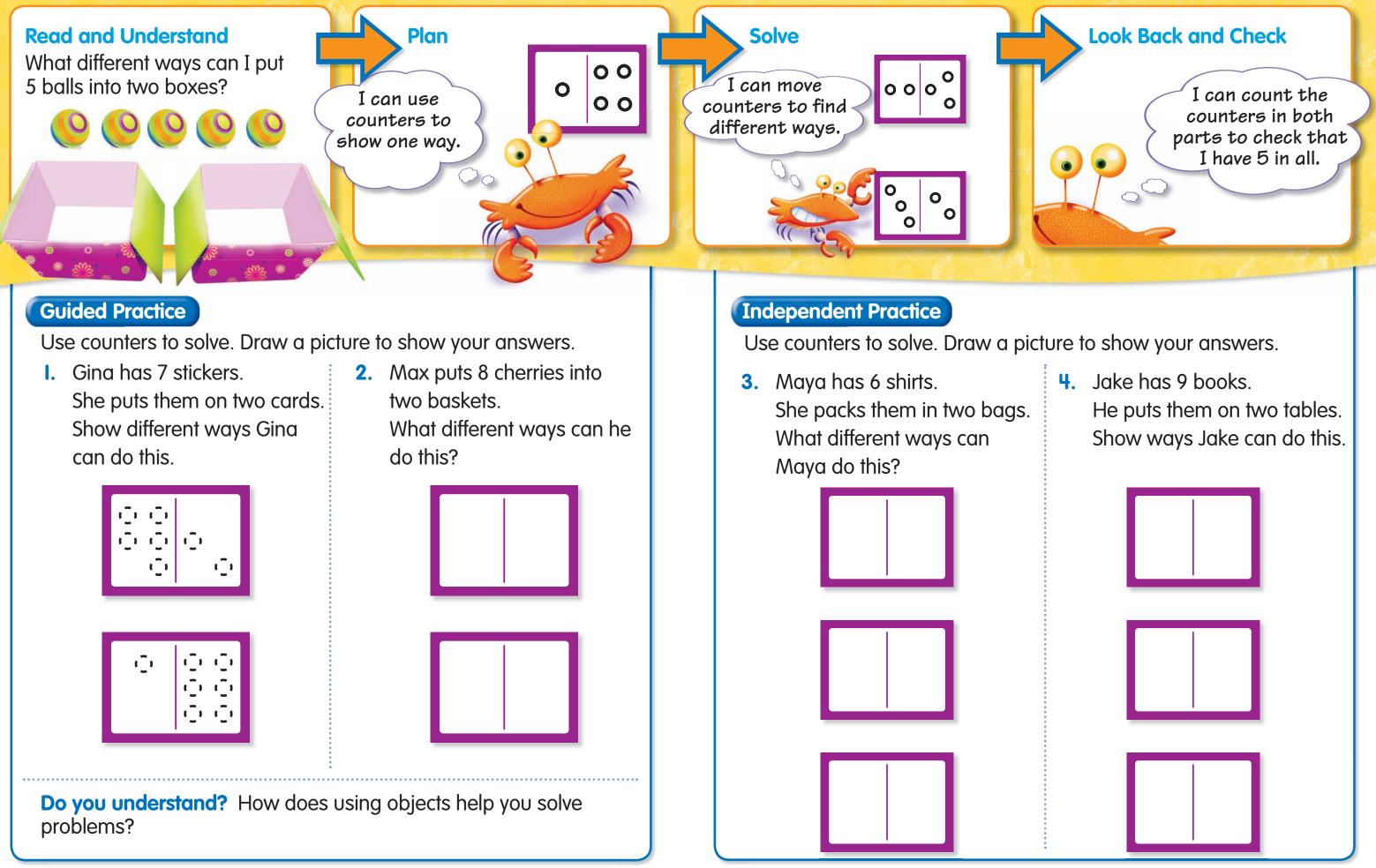
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Name Problem Solving	Lesson 2 7
Use Objects	5-7
1234	5 6 7 8 9
<b>I.</b> 8 is and	
<b>2.</b> 8 is and	
<b>3.</b> 8 is and	
Home Connection Your child used objects to so Home Activity Give your child 9 small objects su pennies can be put in 2 groups. MR 1.2 Use tools, such as manipulatives or sket	live problems involving ways to show numbers in two parts. Joch as pennies. Ask him or her to show different ways the ches, to model problems. Also <b>NS 1.3, MR 2.2.</b>

20





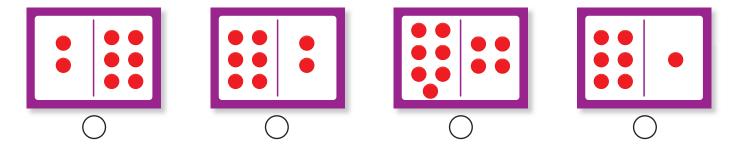
Solve the problems below.

 Raj puts 8 yo-yos in two jars. He puts some in each jar. Show two ways Raj can put the yo-yos into the jars. Use counters to solve.

\_\_\_\_ and \_\_\_\_

\_\_\_\_ and \_\_\_\_

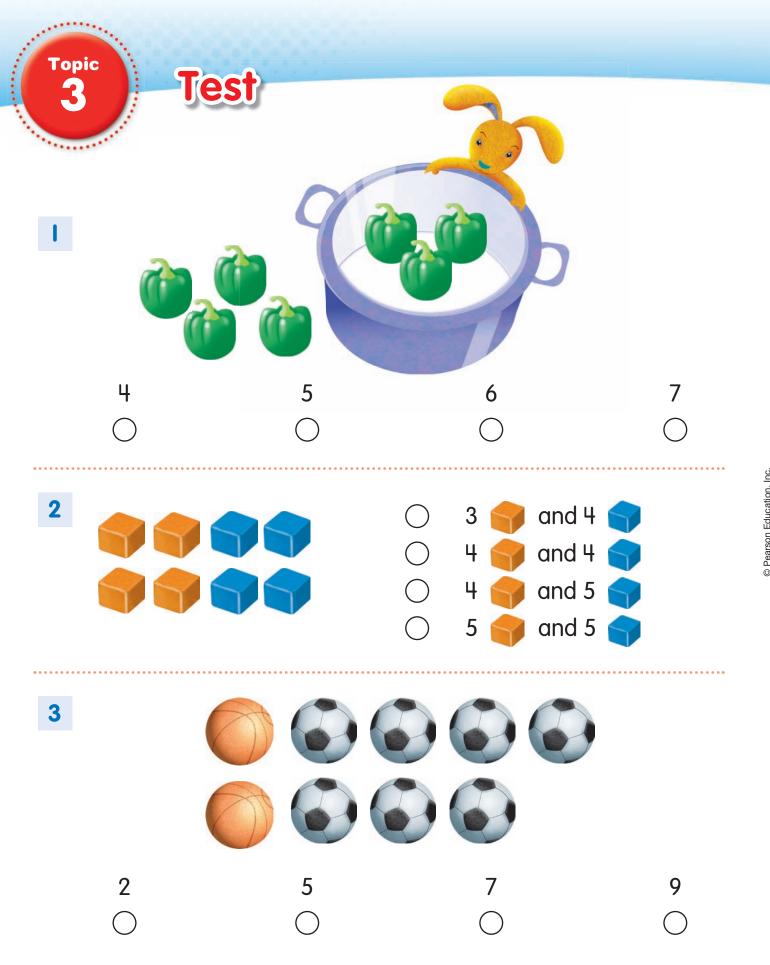
6. You can show 7 in different ways. Which of these shows a way to make 7?



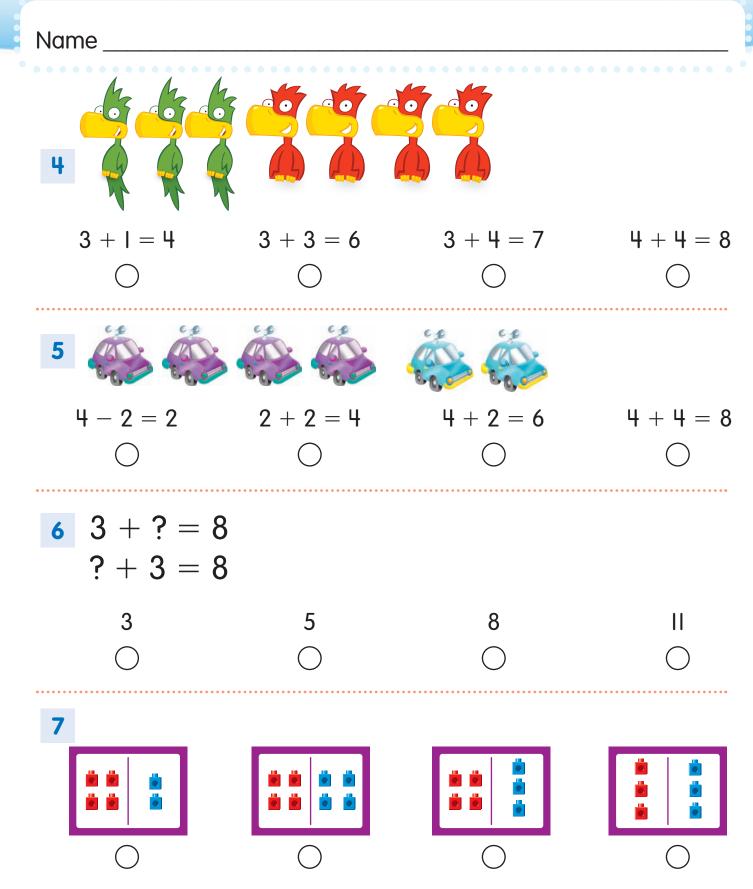
7. Journal Draw pictures to show two ways to put6 pennies into two jars.



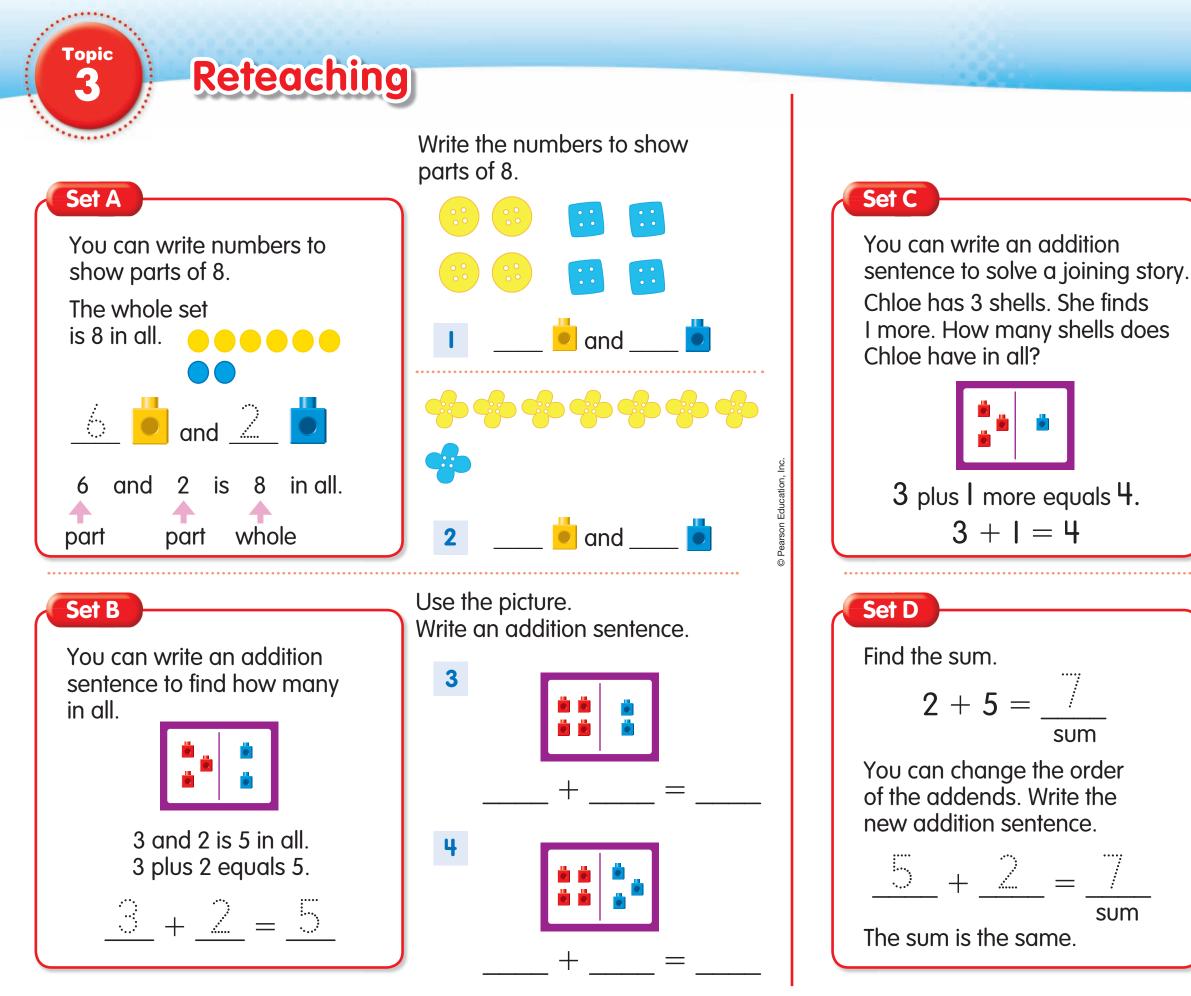
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**Oral Directions** Say: Mark the correct answer. **I.** 3 are inside. 4 are outside. How many are there in all? **2.** Which numbers show parts of 8? **3.** The picture shows the parts. How many balls are there in all?

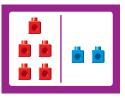


**Oral Directions** Say: Mark the correct answer. **4.** There are 3 green birds and 4 red birds. Which addition sentence shows how many birds in all? **5.** Al has 4 purple cars. Zoe gives him 2 blue cars. How many cars does Al have now? **6.** What is the missing addend? **7.** Lia has 7 apples. She puts them in two bags. Which shows one way she can do this? Use counters if you like.



# Write an addition sentence to solve.

5 Ethan plants 5 flowers.Then he plants 2 more.How many flowers doesEthan plant in all?



Write the sum. Then change the order of the addends. Write the new addition sentence.

