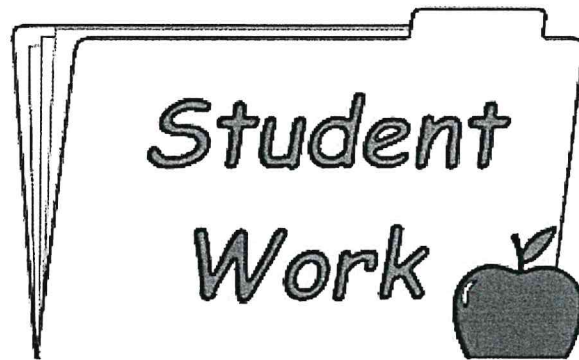


# Unity Elementary School

Part II



## 1st Grade





**Solve & Share**

6 fish swim by. Some more fish join them. Now there are 10 fish. How many fish joined the fish swimming by? Draw a picture to solve the problem. Then write an equation.

**Solve Word Problems with Facts to 10****I can ...**

draw pictures and write equations to help solve word problems.

**Content Standards** 1.OA.A.1  
**Mathematical Practices** MP.1,  
MP.2, MP.4, MP.6

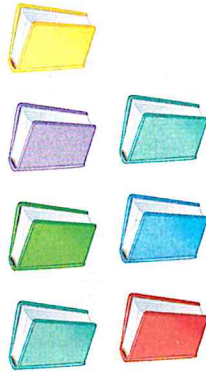


\_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



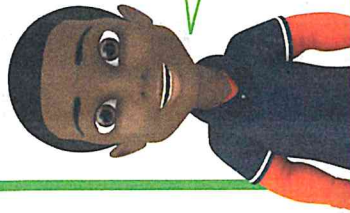
Slater has 7 books.

He gives some books to Anna. Now Slater has 2 books. How many books did he give Anna?



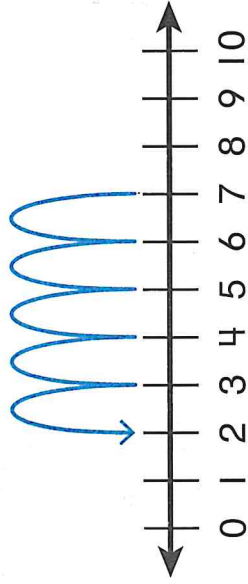
You can write an equation to model the problem.

$$7 - ? = 2$$



Slater's books minus the books he gives Anna equals 2. So, Slater gives Anna 5 books.

You can also count back from 7 to 2 to solve.



Count each jump from 7 when you count back. There are 5 jumps.

### Do You Understand?

**Show Me!** 7 cubes are on a table. Some cubes fall on the floor. Now there are 3 cubes on the table. How many fell on the floor?

☆ **Guided Practice** Draw a picture. Then write an addition or a subtraction equation.

1. Maria sees 3 blue birds. Then she sees some red birds. Maria sees 9 birds in all. How many red birds did Maria see?



# Independent Practice

Draw a picture. Then write an addition or a subtraction equation.

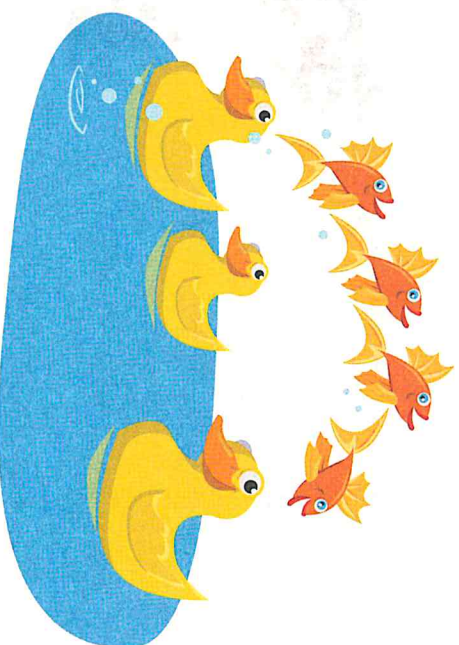
2. Jamal picks 9 berries. Then Ed picks more berries. Jamal and Ed pick 12 berries in all. How many berries did Ed pick?

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

3. There are 8 flowers in Vicky's garden. She picks some flowers. Now there are 4 flowers in Vicky's garden. How many flowers did Vicky pick?

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

4. **Higher Order Thinking** Write a number story to match the picture. Then write an equation.



$$\underline{\quad} = \underline{\quad} \bigcirc \underline{\quad}$$



Then write an addition or a subtraction equation.

5. **MP.1 Make Sense** Charlie draws 7 stars. Joey draws 4 stars. How many fewer stars did Joey draw than Charlie?

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

6. **MP.1 Make Sense** Brian finds 3 rocks on Monday. He finds 7 rocks on Friday. How many more rocks did Brian find on Friday than on Monday?

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

7. **Higher Order Thinking** Write a number story and an equation to match the picture.



8. **Assessment** Which equation matches the story below?
- 5 ducks are in a row.  
More ducks join them.  
Now there are 8 ducks.  
How many ducks join them?

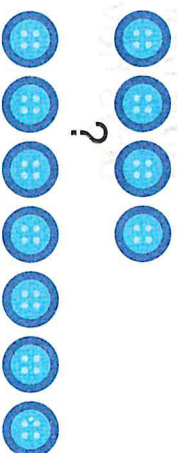
- (A)  $5 - 3 = 2$   
 (B)  $5 + 5 = 10$   
 (C)  $6 - 3 = 3$   
 (D)  $5 + 3 = 8$

**Another Look!** You can use pictures to solve a number story.

Linda has 4 buttons.

She buys some more.

Now Linda has 7 buttons.



How many buttons did  
Linda buy?

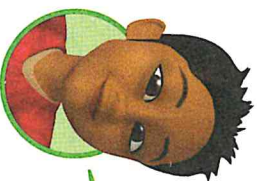
$$\underline{4} + \underline{3} = \underline{7}$$

3 buttons

## Homework & Practice 2-9

### Solve Word Problems with Facts to 10

**HOME ACTIVITY** Tell your child a story that involves adding or subtracting. Say, "Draw a picture and write an equation for this story." Check to make sure the drawing and the equation match the story. Repeat with 1 or 2 different stories.



Draw a picture to solve. Then write an equation to match.

1. Abby has 6 apples. Judy has 9 apples.

How many more apples does Judy have?

\_\_\_\_\_  \_\_\_\_\_ = \_\_\_\_\_  
\_\_\_\_\_ more apples



2. Tim has 9 pears.

3 pears are yellow.

The rest are green.

How many pears are green?

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

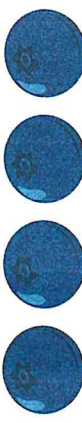
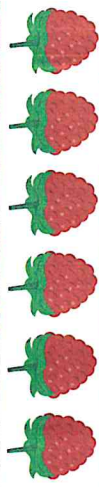
3. Ian has 5 red balloons.

Max has 6 blue balloons.

How many balloons do the boys have in all?

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

4. **Higher Order Thinking** Use the chart. Write a number story. Then write an addition or a subtraction equation to match your story.

Fruit	How Many?
Blueberries	
Raspberries	

---

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

5. **Assessment** 7 birds are on a branch. Some birds fly away.

Now there are 4 birds on the branch.

How many birds flew away?

Which subtraction equation matches the story?

(A)  $7 - 2 = 5$

(C)  $9 - 7 = 2$

(B)  $7 - 4 = 3$

(D)  $4 - 3 = 1$





**Solve & Share**

Use counters and the part-part-whole mat to show different ways to make 10. Write the different ways in the table.

10




10 =

10 =

10 =

10 =

	+	
	+	
	+	
	+	

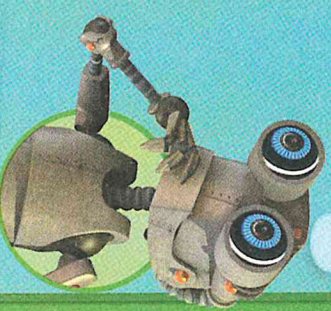
**Math Practices and Problem Solving**
**Lesson 2-10**  
**Look For and Use Structure**
**I can ...**

look for patterns and use structure to solve problems.

**Mathematical Practices**  
 MP.7 Also MP.2, MP.4, MP.8  
**Content Standards** 1.OA.B.3,  
 1.OA.C.6

**Thinking Habits**

Is there a pattern?  
 How can I describe the pattern?





The bears and lions want to cross the sea. Only 10 animals can fit on the boat. Show all the ways they can go on the boat.

How can I use structure to help me solve this problem?

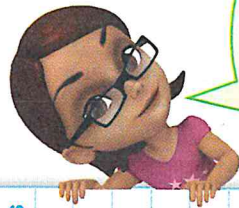
Bears	Lions
0	10
1	9



I can look for patterns to help me find how many bears and how many lions.

There is a pattern in the table. The parts in each row add up to 10. As the number of bears increases, the number of lions decreases.

Bears	Lions
0	10
1	9
2	8
3	7
4	6
5	5
6	4
7	3
8	2
9	1
10	0



The table shows all the ways the bears and lions can go on the boat.

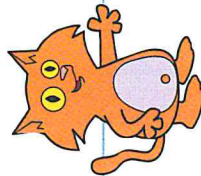
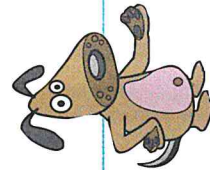
## Do You Understand?

**Show Me!** What is a pattern in the table that shows how many bears and how many lions there are?

☆ **Guided Practice** Use a pattern to help you solve the problem.

1. Patty has 4 dog stickers and 4 cat stickers. She wants to put 6 stickers on a page of her book.

Use structure to show 3 different ways Patty can put stickers on the page.



4	2



# Independent Practice

Use a pattern to help you solve each problem.

2. Max has 5 markers.

He can put the markers in his desk or in his bag.

Complete the table to show all the ways Max can put the markers away.

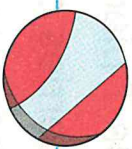
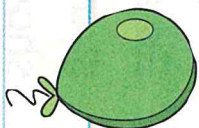
Desk	Bag
0	_____
_____	4
2	3
3	_____
_____	1
_____	_____

3. Mrs. Davis fills a box with prizes.

She has 7 balls and 7 balloons.

She wants to put 10 prizes in the box.

Complete the table to show all the ways Mrs. Davis can fill the box.

	
7	3
6	4
5	_____
4	_____
_____	_____



Use a pattern to help you solve the problem.

4. **Higher Order Thinking** Julie is planting

10 flowers. She can plant them by a tree or in a box. Use structure to help you find 3 different ways Julie can plant the flowers.

\_\_\_\_\_ by a tree and \_\_\_\_\_ in a box  
\_\_\_\_\_ by a tree and \_\_\_\_\_ in a box  
\_\_\_\_\_ by a tree and \_\_\_\_\_ in a box



## © Performance Assessment

### Pieces of Fruit

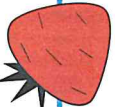
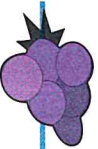
Ed eats 7 pieces of fruit. He can eat strawberries or grapes. Fill in a table to show how many different ways Ed can pick which fruit to eat.

Student A and Student B solved the number story. Each student's table is shown at the right.

Student A

	
0	
1	
2	
3	
4	
5	
6	
7	

Student B

	
	6
	1
	4
	3
	2
	5
	0
	7

5. **MP.4 Model** Fill in the missing numbers in each table. Use cubes to help you.

6. **MP.7 Look for Patterns** Describe a pattern used in each table.

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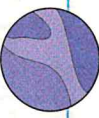

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# Homework & Practice 2-10

## Look For and Use Structure

**Another Look!** Karen has 5 purple marbles and 4 yellow marbles. She can only fit 5 marbles in her pocket. What are the different ways she can put purple and yellow marbles in her pocket? Use a pattern to help you solve the problem. Then complete the table to show all the ways Karen can put the marbles in her pocket.

	
5	0
4	1
3	2
2	3
1	4

The sum of the numbers in each row is 5.



Use structure to find patterns to help you solve the problems below.

**HOME ACTIVITY** Collect 5 each of two small objects, such as buttons and paperclips. Put 5 buttons in a row. Ask your child, "How many buttons? How many paperclips?" Then replace 1 button with a paperclip and ask the questions again. Continue replacing buttons with paperclips one at a time, asking the questions after each turn. Then ask, "What is the total each time?"

1. Tom has 5 toy cars.

He can put them away in his toy box or on a shelf.



Complete the table to show all the ways

Tom can put away his toy cars.

Box	Shelf
5	1
2	4


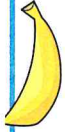
2. Kathy has 5 tulips and 5 roses. She wants to plant 5 flowers in her garden. Complete the table to show all the ways Kathy can plant the flowers in her garden.

Complete the table to show all the ways Kathy can plant the flowers in her garden.

	
0	5
3	1
5	

## Making a Fruit Bowl

Bill has 5 apples and 5 bananas. He can only put 5 pieces of fruit in a bowl. How can Bill make a table to show the different ways he can put fruit in the bowl?

		
0		
1		
2		
3		
4		
5		

3. **MP.8 Generalize** What will be the same in each row of the table?

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4. **MP.2 Reasoning** Will the number of bananas get smaller or larger as you move down the table? How do you know?

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5. **MP.7 Look for Patterns** Write the missing numbers in the table. How do you know your answers are correct?

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Carlos and Alisa each have 6 books. If they put their books together, how many books will they have in all? Show your thinking below.



# LESSON 3-3

## Doubles

**I can ...**

memorize doubles facts.

**Content Standards** 1.OA.C.5,

1.OA.C.6

**Mathematical Practices** MP.1,  
MP.3, MP.4, MP.8

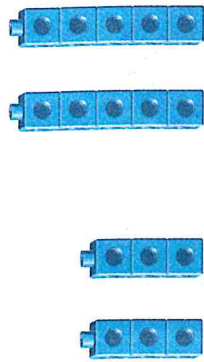
$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Let's look at some doubles facts that you may know.

$$3 + 3 = 6$$

$$5 + 5 = 10$$

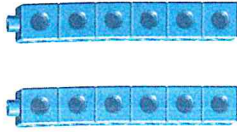
Here are ways we can show these facts.



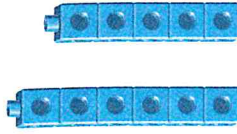
$$3 + 3 = 6$$

$$5 + 5 = 10$$

You can represent the doubles fact  $6 + 6$  the same way.



$$6 + 6 = 12$$



$$6 + 5 = 11$$

This isn't a doubles fact.



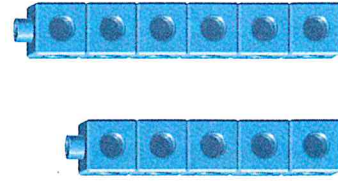
## Do You Understand?

**Show Me!** Becca shows  $6 + 7$  with cubes and says it is not a doubles fact. Is she correct? How do you know?

## Guided Practice

Decide if each set of cubes shows a doubles fact. Circle your answer. Then write an equation to match the cubes.

1.



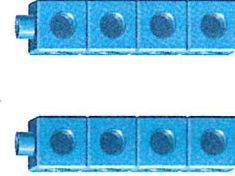
Doubles  
Fact

$$5 + 5 = 10$$

NOT

Doubles  
Fact

2.



Doubles  
Fact

$$4 + 4 = 8$$

NOT

Doubles  
Fact



# Independent Practice

Decide if each set of cubes shows a doubles fact. Circle your answer. Then write an equation to match the cubes.

3.



Doubles  
Fact

**NOT**  
Doubles  
Fact

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

4.



Doubles  
Fact

**NOT**  
Doubles  
Fact

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

5.



Doubles  
Fact

**NOT**  
Doubles  
Fact

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

6.



Doubles  
Fact

**NOT**  
Doubles  
Fact

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



Complete each doubles fact.

7.  $0 + 0 =$

8.  =  $9 + 9$

9.  $8 + 8 =$

10.  $5 + 5 =$

11. **MP.1 Make Sense** Andrew and his sister each pick 10 flowers. How many flowers did they pick in all?

Write an equation to match the problem.

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

\_\_\_\_\_ flowers

12. **MP.1 Make Sense** Pearl and Charlie each get 5 books for their birthday. How many books did they get in all?

Write an equation to match the problem

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

\_\_\_\_\_ books

13. **Higher Order Thinking** Max plays in 2 hockey games. He scores the same number of goals in each game. He scores 8 goals in all. How many goals did Max score in each game?

Show your work below. Then write the equation you used to solve the problem.

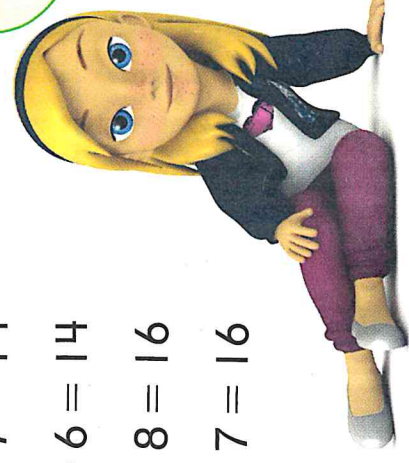
$$\underline{\quad} = \underline{\quad} + \underline{\quad}$$

**170** one hundred seventy

14. **Assessment** Carrie takes the same number of pictures on both Saturday and Sunday. Which equations show the number of pictures Carrie could have taken? Choose all that apply.

- ☐  $7 + 7 = 14$   
☐  $8 + 6 = 14$   
☐  $8 + 8 = 16$   
☐  $9 + 7 = 16$

Use cubes to help if you need to!





# Homework & Practice 3-3

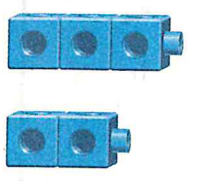
## Doubles

**Another Look!** Some facts are doubles facts. Some facts are not.

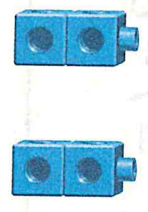
This is not a doubles fact.      This is a doubles fact.



The addends are not the same.



$3 + 2 = 5$



$2 + 2 = 4$

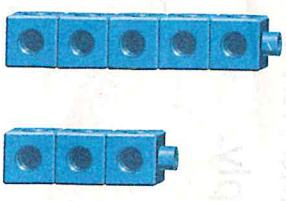


In a doubles fact, both addends are the same.



Decide if each set of cubes shows a doubles fact. Circle your answer. Then write an equation to match the cubes.

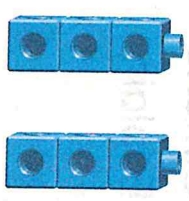
1.



Doubles Fact

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

2.



Doubles Fact

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

NOT

Doubles Fact

**HOME ACTIVITY** Divide a strip of paper into 6–10 parts so that it looks like a cube tower. Ask your child to count the parts. Then cut the strip in half vertically so you have 2 strips each with 6–10 parts. Ask your child how many are in each tower. Have him or her tell you the doubles fact that is represented. Repeat with other numbers (1–10).

3.

$$\underline{\quad} = 8 + 5$$

4.

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

5.

$$9 + 5 = \underline{\quad}$$

6.

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

7.

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

8.

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

9.

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

10.

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

11.

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

**12. Higher Order Thinking** Simone built the same number of model cars and model airplanes. Show how Simone could have built 14 models. Explain how you know.

**13. Assessment** Mike picks the same

number of red apples and green apples. How many apples could Mike have picked? Choose all that apply.

☐ 19

☐ 18

☐ 17

☐ 16