

Name \_\_\_\_\_

## Model and Record 2-Digit Addition

**Essential Question** How do you record 2-digit addition?




**Number and Operations in Base Ten—2.NBT.B.5** *Also 2.NBT.B.9*

**MATHEMATICAL PRACTICES**  
MP1, MP4, MP6

### Listen and Draw



Use  to model the problem.  
Draw quick pictures to show what you did.

Tens	Ones



**FOR THE TEACHER** • Read the following problem. Mr. Riley's class collected 54 cans for the food drive. Miss Bright's class collected 35 cans. How many cans did the two classes collect?

**Math Talk**

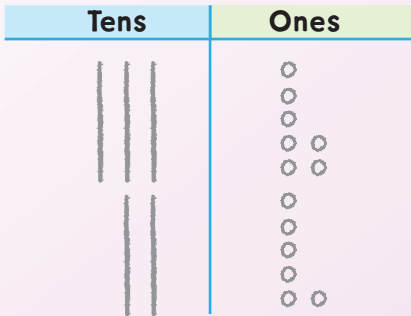
**MATHEMATICAL PRACTICES 6**

**Make Connections** Did you trade blocks in your model? Explain why or why not.

## Model and Draw

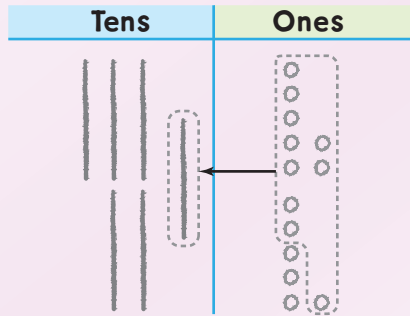
Trace over the quick pictures in the steps.

**Step 1** Model  
 $37 + 26$ . Are there  
10 ones to regroup?



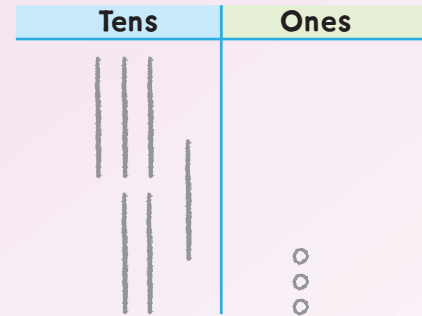
	Tens	Ones
	<input type="text"/>	
+	3	7
	2	6

**Step 2** Write the  
regrouped ten. Write  
how many ones are in  
the ones place now.



	Tens	Ones
	<input type="text"/>	
+	3	7
	2	6
		3

**Step 3** How many  
tens are there? Write  
how many tens are in  
the tens place.



	Tens	Ones
	<input type="text"/>	
+	3	7
	2	6
	6	3

## Share and Show



Draw quick pictures to help you solve. Write the sum.

1.

	Tens	Ones
	<input type="text"/>	
+	2	6
	3	2

	Tens	Ones

2.

	Tens	Ones
	<input type="text"/>	
+	5	8
	2	4

	Tens	Ones

Name \_\_\_\_\_

## On Your Own

Draw quick pictures to help you solve. Write the sum.



3.

Tens	Ones
<input type="text"/>	
3	4
+	9
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>

4.

Tens	Ones
<input type="text"/>	
2	7
+	4
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>

5.

Tens	Ones
<input type="text"/>	
3	5
+	3
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>

6.

Tens	Ones
<input type="text"/>	
5	9
+	6
<hr/>	<hr/>
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>

7. **THINK SMARTER** Tim has 36 stickers. Margo has 44 stickers. How many more stickers would they need to have 100 stickers altogether?



\_\_\_\_\_ more stickers

8. **GO DEEPER** A baker wants to sell 100 muffins. So far the baker has sold 48 corn muffins and 42 bran muffins. How many more muffins does the baker need to sell?

\_\_\_\_\_ more muffins

## Problem Solving • Applications



Write or draw to explain.

9. **MATHEMATICAL PRACTICE 1** **Make Sense of Problems**

Chris and Bianca got 80 points in all in the spelling contest. Each child got more than 20 points. How many points could each child have gotten?

Chris: \_\_\_\_\_ points

Bianca: \_\_\_\_\_ points

10.

**THINK SMARTER +**

Don built a tower with 24 blocks. He built another tower with 18 blocks. How many blocks did Don use for both towers? Draw quick pictures to solve. Write the sum.

**Personal Math Trainer**



Tens	Ones

\_\_\_\_\_ blocks

Did you regroup to find the answer? Explain.

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**TAKE HOME ACTIVITY** • Write two 2-digit numbers and ask your child if he or she would regroup to find the sum.

Name \_\_\_\_\_

# Model and Record 2-Digit Addition

Draw quick pictures to help you solve.  
Write the sum.



**COMMON CORE STANDARD—2.NBT.B.6**  
Use place value understanding and properties of operations to add and subtract.

1.

	Tens	Ones
	<div>□</div>	
	3	8
+	1	7

Tens	Ones

2.

	Tens	Ones
	<div>□</div>	
	5	8
+	2	6

Tens	Ones

3.

	Tens	Ones
	<div>□</div>	
	4	2
+	3	7

Tens	Ones

4.

	Tens	Ones
	<div>□</div>	
	5	3
+	3	8

Tens	Ones

## Problem Solving



Choose a way to solve.  
Write or draw to explain.

5. There were 37 children at the park on Saturday and 25 children at the park on Sunday. How many children were at the park on those two days?

\_\_\_\_\_ children

6.



Explain why you should record a 1 in the Tens column when you regroup in an addition problem.

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## Lesson Check (2.NBT.B.6)

1. What is the sum?

	Tens	Ones
	<input type="text"/>	
	3	4
+	2	8

2. What is the sum?

	Tens	Ones
	<input type="text"/>	
	4	3
+	2	7

## Spiral Review (2.OA.B.2)

3. Adam collected 14 pennies in the first week and 9 pennies in the second week. How many more pennies did he collect in the first week than in the second week?

$$14 - 9 = \underline{\quad} \text{ pennies}$$

4. What is the sum?

$$3 + 7 + 9 = \underline{\quad}$$

5. Janet has 5 marbles. She finds double that number of marbles in her art box. How many marbles does Janet have now?

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

6. What is the difference?

$$13 - 5 = \underline{\quad}$$

