Chapter

Measurement

cutious About Math with Gurious Geotge

What objects in the picture are shorter than the arch?

three hundred sixty-five 365

r Proagnion Mritiin Harcourt Habitshing Company Jugues George by Margret and H.A. Rey. Copyright © 2010 by Houghion Mill lin Harcourt Publis Minghts reserved. The character Currious George\*, including without limitation the character's n

SHINE

I.

### Show What You Know

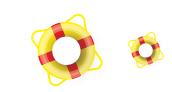
2.

### **Bigger and Smaller**

Circle the bigger object.

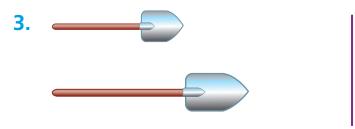


Circle the smaller object.



### **Compare Length**

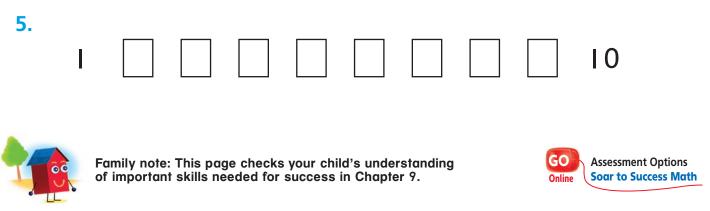
Circle the longer object. Draw a line under the shorter object.





### Numbers 1 to 10

Write each number in order to 10.



### **Vocabulary Builder**

### Visualize It

Sort the review words from the box.

### **Understand Vocabulary**

Complete the sentences with the correct word.

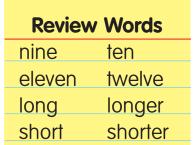
I. A crayon is \_\_\_\_\_\_ than a marker.

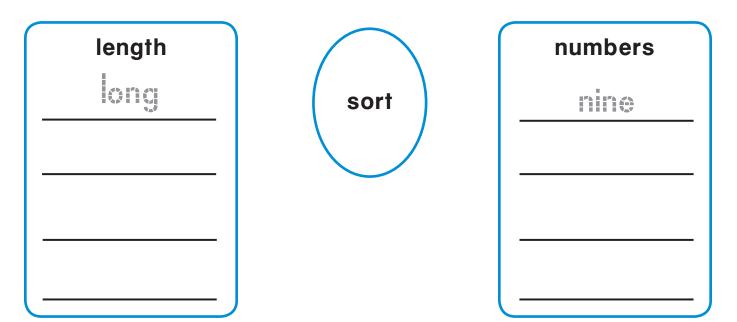
10

2. A toothbrush is \_\_\_\_\_\_ than a paper clip.

Write the name below the number.

12





3.

9



### Chapter **q**

Materials • 🔏 💄 • 🕌

Game

• 12 🕘 • 2 🥟 • 2 🦟

Play with a partner.

- 🕕 Put 🤱 💄 on START.
- 2 Spin the 2. Move your spaces. Take that object.

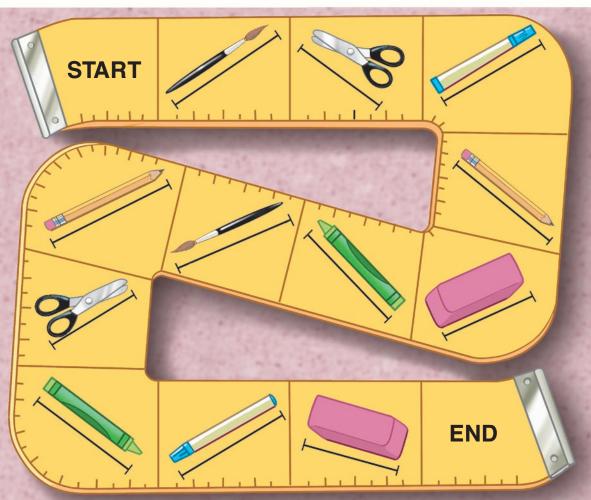
• 2 / • 2 / • 2 00 • 2

3 Your partner spins, moves, and takes that object.

Compare the lengths of the two objects.

Measure

- The player with the longer object places a on the space. If both objects are the same length, both players put a on the board.
- 6 Keep playing until one person gets to END. The player with the most wins.



### **Order Length**

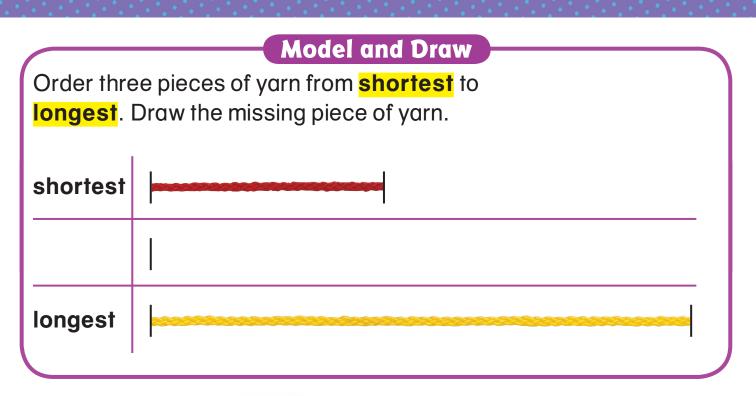
**Essential Question** How do you order objects by length?

## Listen and Draw REAL WORLD

Use objects to show the problem. Draw to show your work.

FOR THE TEACHER • Read the problem. Have children use classroom objects to act it out. Rosa has something that is longer than the drinking straw. She has another object that is shorter than the key. What objects might she have?	Math Talk Compare the straw and the key. Which is longer? Which is shorter? Explain.

O Houghton Mifflin Harcourt Publishing Company





Draw three lines in order from **shortest** to **longest**.

I. shortest	
2.	
3. longest	

Draw three lines in order from **longest** to **shortest**.

**370** three hundred seventy



Name \_\_\_\_\_

### **On Your Own**



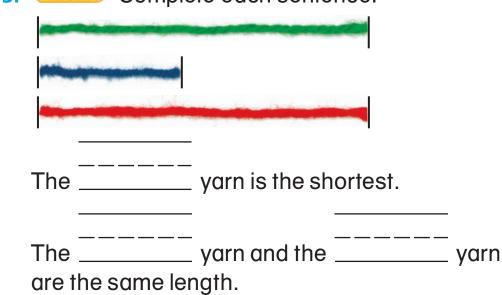
Draw three crayons in order from **shortest** to **longest**.

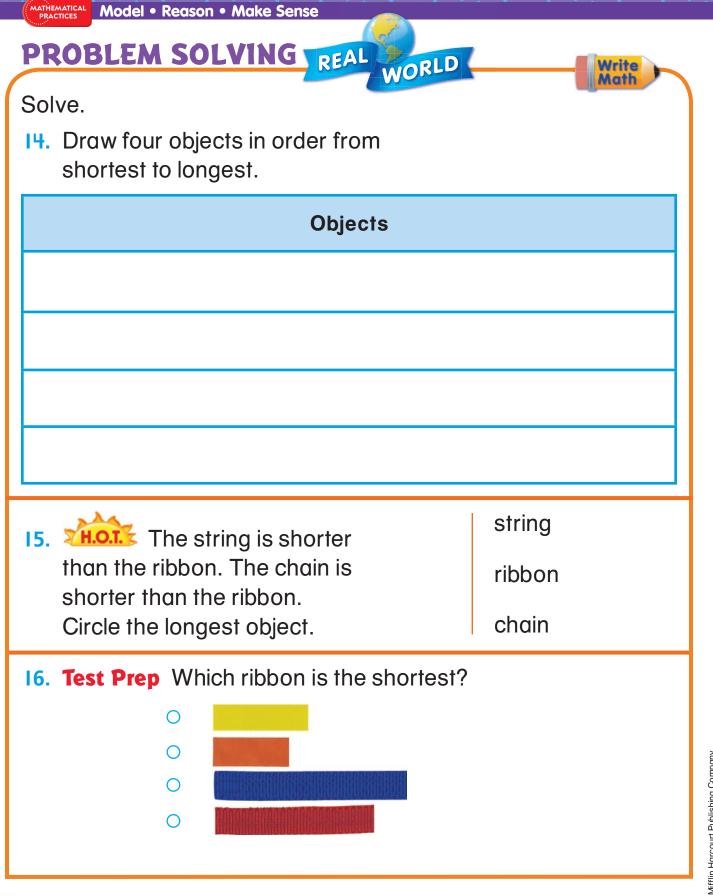
7. shortest	
8.	
9. longest	

## Draw three crayons in order from **longest** to **shortest**.

10. longest	
н.	
12. shortest	









**TAKE HOME ACTIVITY** • Show your child three different lengths of objects, such as three pencils or spoons. Ask him or her to order the objects from shortest to longest.

### **Indirect Measurement**

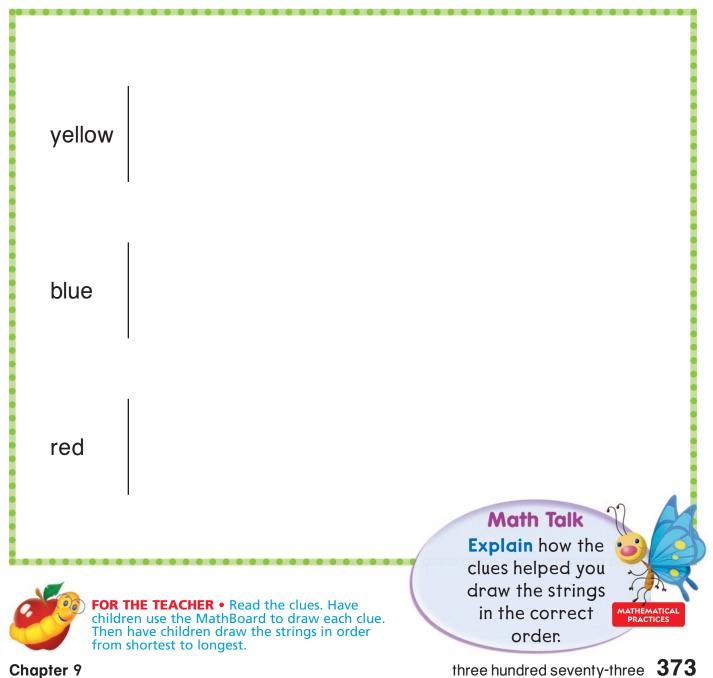
**Essential Question** How can you compare lengths of three objects to put them in order?

## Listen and Draw REAL WORLD

Clue I: A yellow string is shorter than a blue string.

Clue 2: The blue string is shorter than a red string.

Clue 3: The yellow string is shorter than the red string.



Model and Draw					
Use the clues. Write <b>shorter</b> or <b>longer</b> to complete the sentence. Then draw to prove your answer. Clue I: A green pencil is longer than an orange pencil.					
Clue 2: The orange pencil is longer than a brown pencil.					
So, the green pencil is than the brown pencil.					
brown					
orange					
green					



Use the clues. Write **shorter** or **longer** to complete the sentence. Then draw to prove your answer.

Clue I: A red line is shorter than a blue line.Clue 2: The blue line is shorter than a purple line.

So, the red line is \_\_\_\_\_\_ than the purple line.

red	
blue	
purple	

### **On Your Own**

Use the clues. Write **shorter** or **longer** to complete the sentence. Then draw to prove your answer.



Clue I: A green line is shorter than a pink line.
 Clue 2: The pink line is shorter than a blue line.

So, the green line is \_\_\_\_\_\_ than the blue line.

green	
pink	
blue	

Clue I: An orange line is longer than a yellow line.
 Clue 2: The yellow line is longer than a red line.

So,	the orange	line is	 than	the	red line.

red	
yellow	
orange	

MATHEMATICAL PRACTICES MO	odel • Reason • Make Sense				
PROBL	EM SOLVING REAL WORLD Write Moth				
The ya and the	<ul> <li>4. The ribbon is longer than the yarn.</li> <li>The yarn is longer than the string. The yarn and the pencil are the same length. Draw the lengths of the objects next to their labels.</li> </ul>				
ribbon					
yarn					
pencil					
string					
the ord	rep A green line is shorter than ange line. The orange line is shorter blue line. Which is correct?				

TAKE HOME ACTIVITY  $\cdot$  Show your child the length of one object. Then show your child an object that is longer and an object that is shorter than the first object.

### Use Nonstandard Units to Measure Length

**Essential Question** How do you measure length using nonstandard units?



Draw to show the problem.

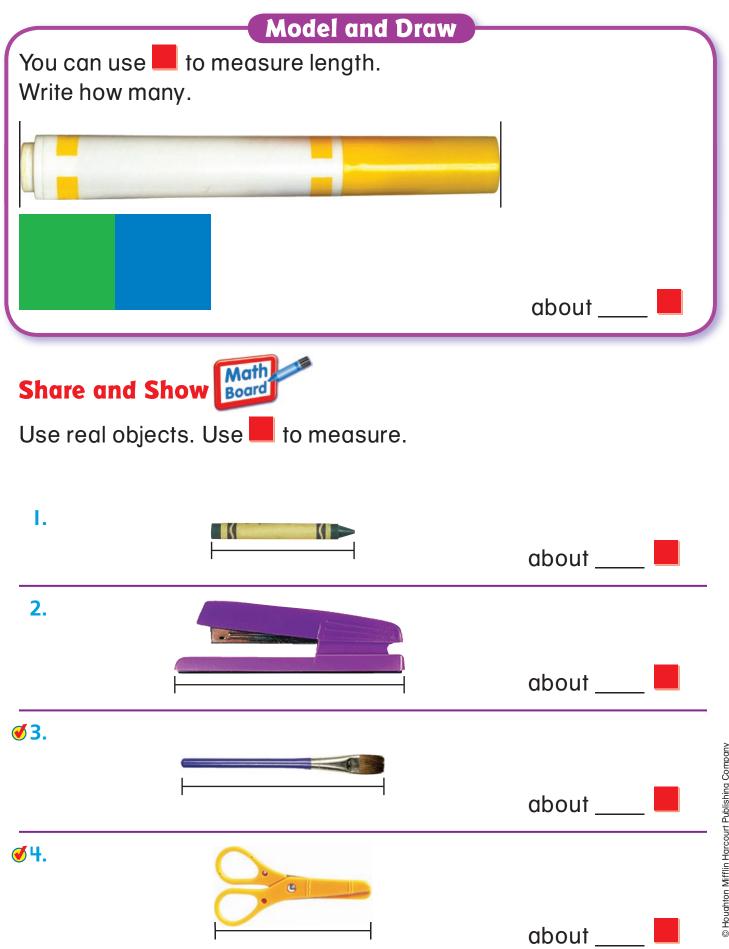


• FOR THE TEACHER • Read the problem. Jimmy sees that his boat is about 6 color tiles long. Draw Jimmy's boat. Draw the color tiles to show how you measured.

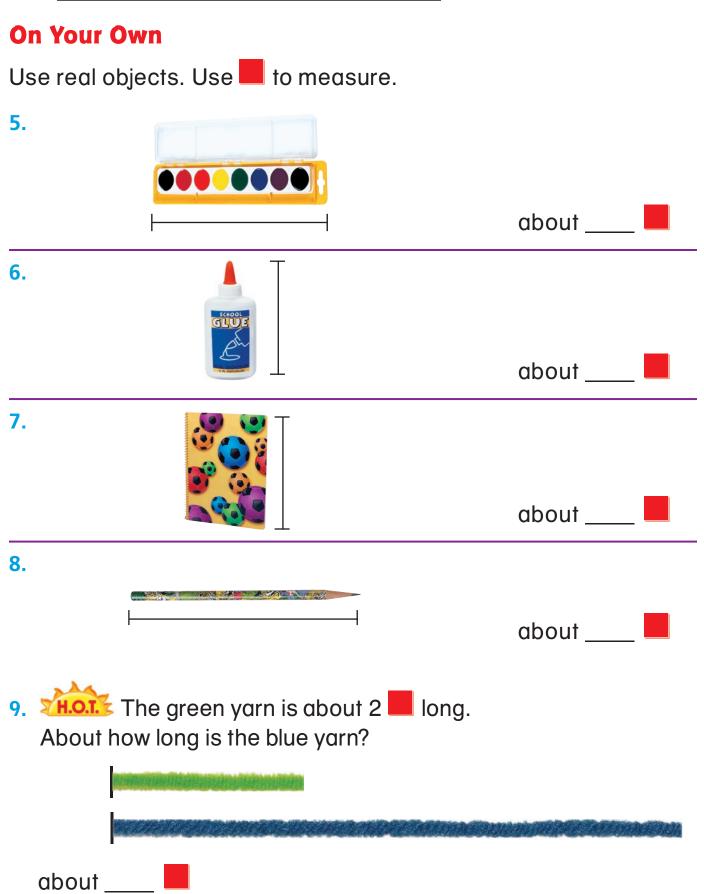
How do you draw the boat to be the right length? Explain.

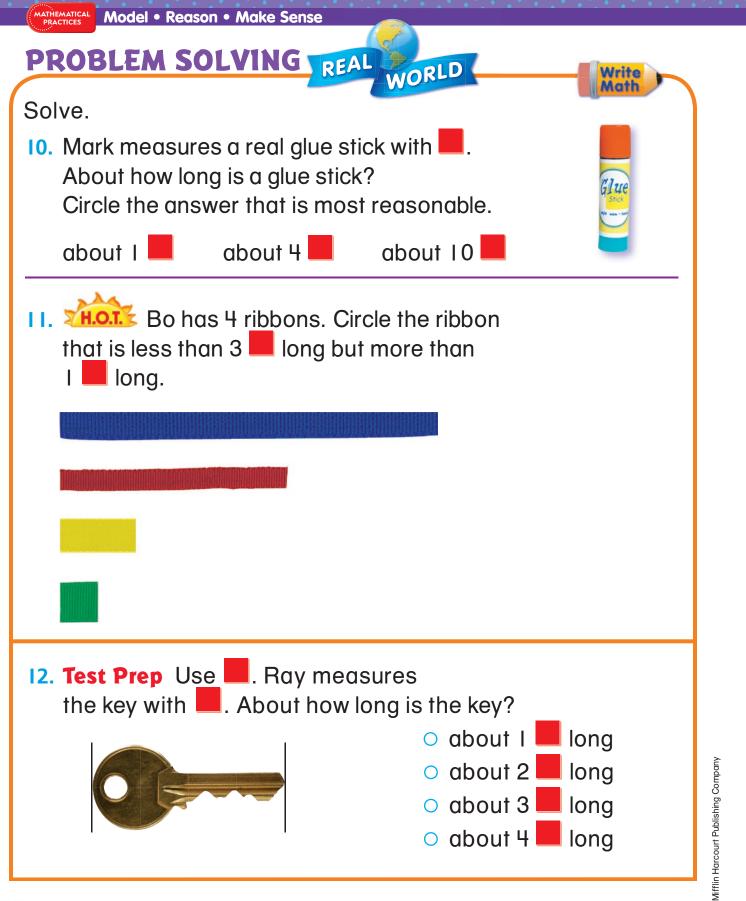
**Math Talk** 

MATHEMATICAL PRACTICES



378 three hundred seventy-eight





TAKE HOME ACTIVITY · Give your child paper clips or other small objects that are the same length. Have him or her estimate the lengths of objects around the house and then measure to check.

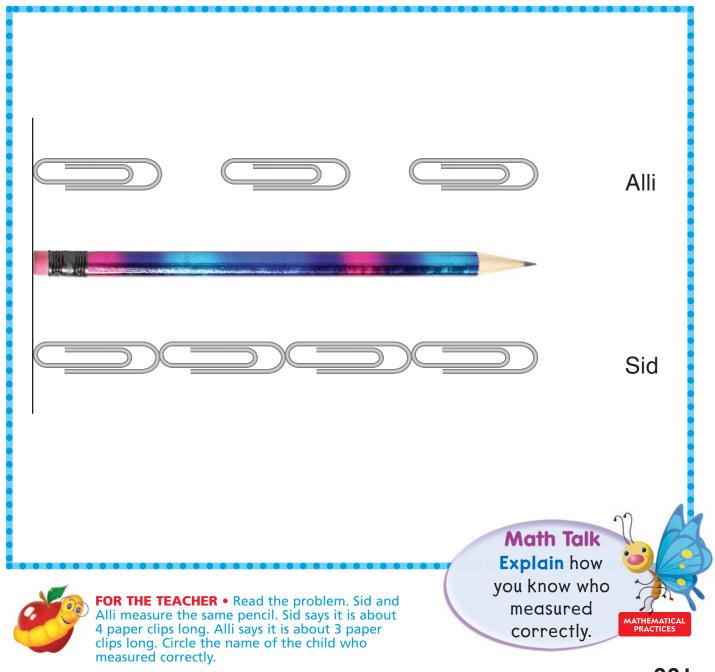
Name \_

### Make a Nonstandard Measuring Tool

**Essential Question** How do you use a nonstandard measuring tool to measure length?



Circle the name of the child who measured correctly.



© Houghton Mifflin Harcourt Publishing Company

### Model and Draw

Make your own paper clip measuring tool like the one on the shelf. Measure the length of a door. About how long is the door?



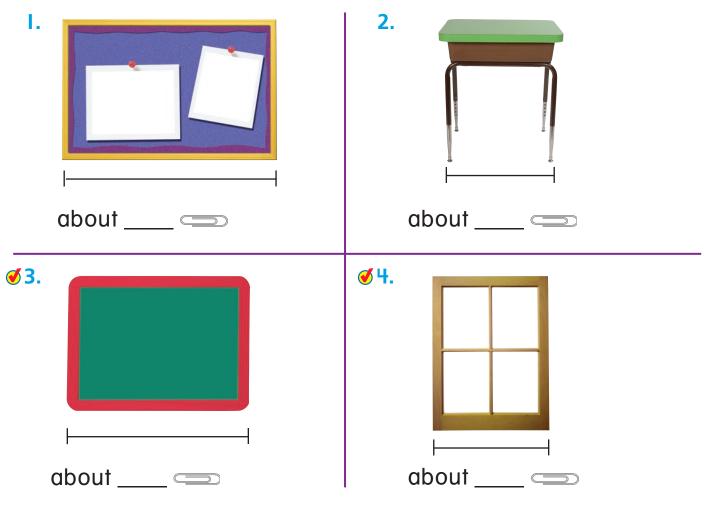
## Share and Show Board



Use real objects and the measuring tool you made.

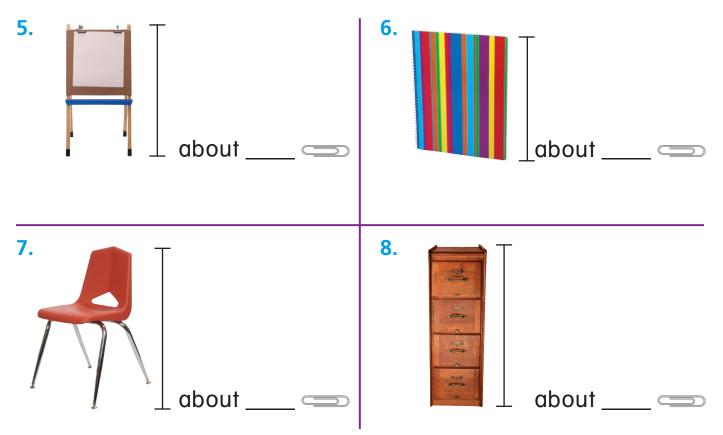
Measure. Circle the longest object.

Underline the shortest object.



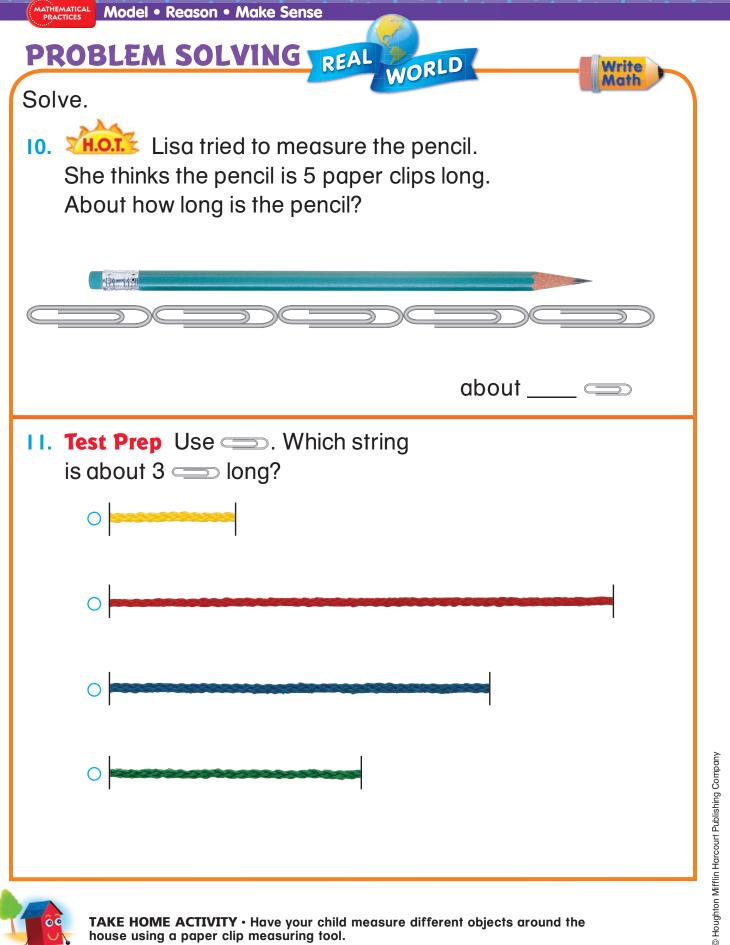
### **On Your Own**

Use the measuring tool you made. Measure real objects.



9. Cody measured his real lunch box. It is about 10 long. About how long is Cody's real pencil?





Compare Essential Question How can acting it out help you solve measurement problems? The blue ribbon is about 4 🗩 long. The red ribbon is I long. The green ribbon is 2 longer than red ribbon. Measure and draw the ribbons in order from shortest to longest. **Unlock the Problem** What information do I need What do I need to find? to use? order the ribbons from the to ribbons using paper clips. Show how to solve the problem. O Houghton Mifflin Harcourt Publishing Company



Name

**Problem Solving • Measure and** 

HOME CONNECTION • Have your child act out a measurement problem by finding the lengths of 3 objects and order them from shortest to longest.

PROBLEM SOLVING

Lesson 9.5

### **Try Another Problem**

Zack has 3 ribbons. The yellow ribbon is about 4 long. The orange ribbon is 3 shorter than the yellow ribbon. The blue ribbon is 2 longer than the yellow ribbon.

Measure and draw the ribbons in order from **longest** to **shortest**.

I. about 🤤 2. about C 3. about \_\_\_\_ = **Math Talk** How many paper clips shorter is the orange ribbon than the blue ribbon? Explain.

- What do I need to find?
- What information do I need to use?

### Share and Show



Solve. Draw or write to explain.

Lisa measures her shoe to be about 5 long. Measure and draw an object that is 3 shorter than her shoe. Measure and draw an object that is 2 longer than her shoe.

5. Noah measures a marker to be about 4 long and a pencil to be about 6 long. Draw an object that is 1 longer than the marker and 1 shorter than the pencil.

Development Alifetin Harcourt Publishing Company

 TAKE HOME ACTIVITY • Have your child explain how he or she solved

 Exercise 4.
 FOR MORE PRACTICE:

Standards Practice Book, pp. P181–P182 three hundred eighty-seven **387** 

Write Math

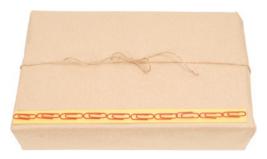


### **Concepts and Skills**

Draw three crayons in order from **shortest** to **longest**.

I.	shortest	
	longest	
Us 2.	e 📕 to mea	sure.
		about

 Kiley measures a package with her paper clip measuring tool. About how long is the package?





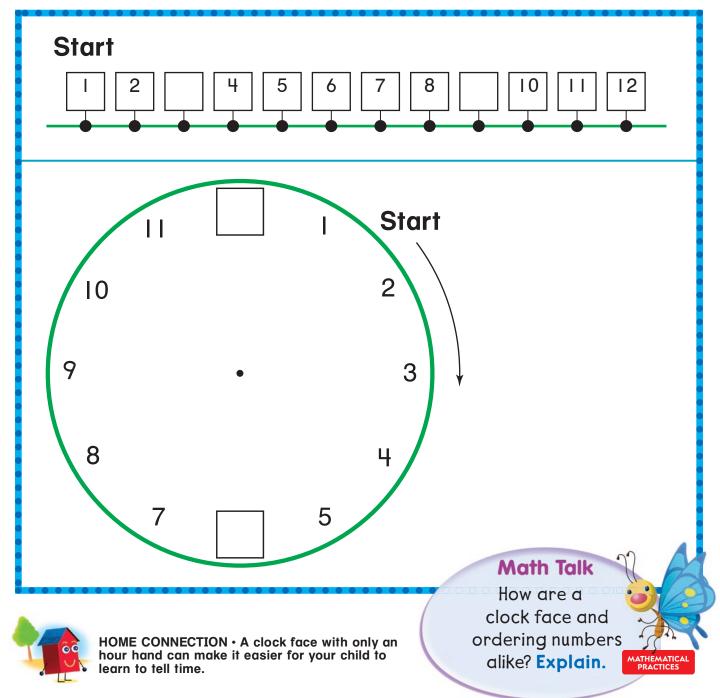
### Time to the Hour

**Essential Question** How do you tell time to the hour on a clock that has only an hour hand?

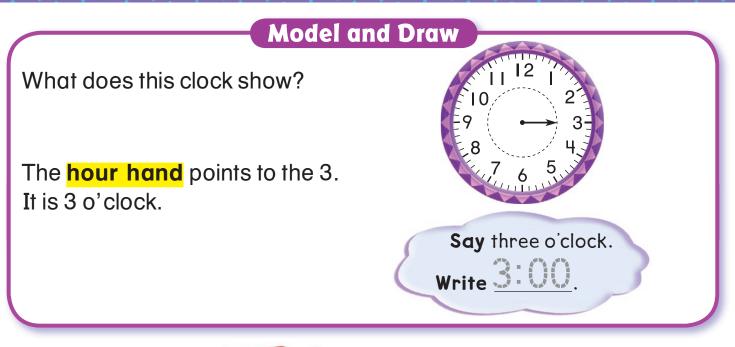
## Listen and Draw REAL

### Start at 1.

Write the missing numbers.

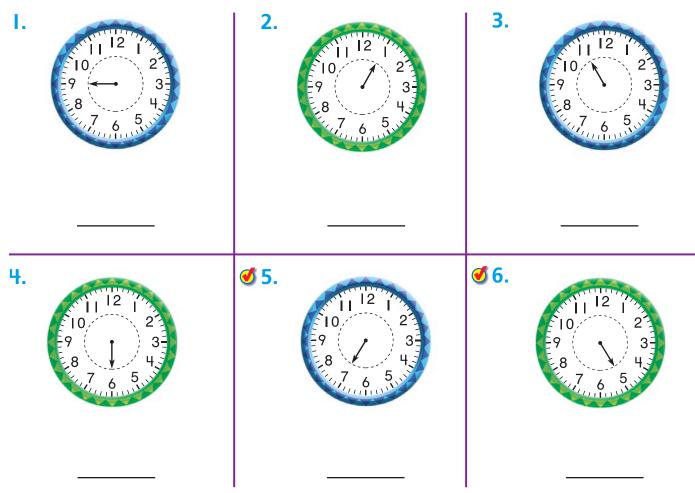


WORLD





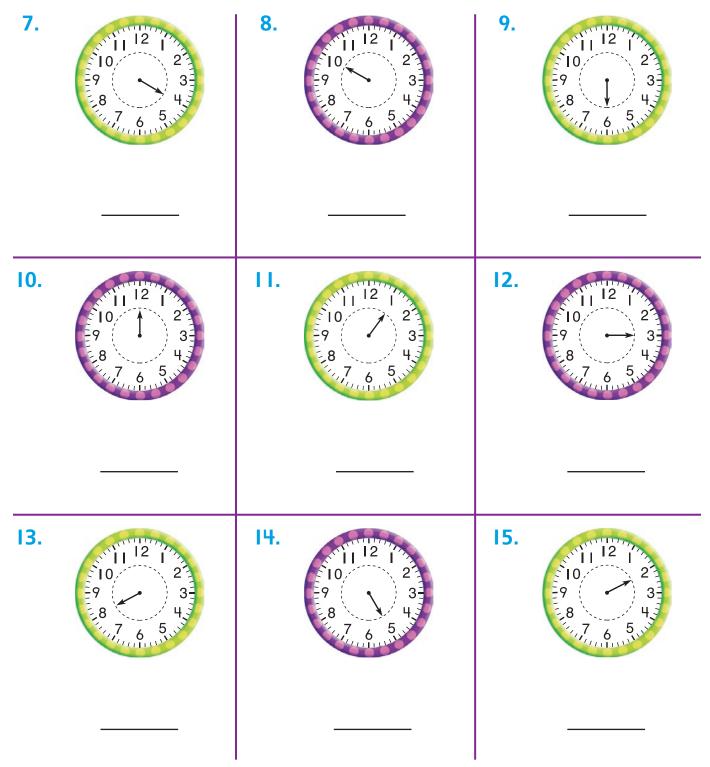
Look at where the hour hand points. Write the time.

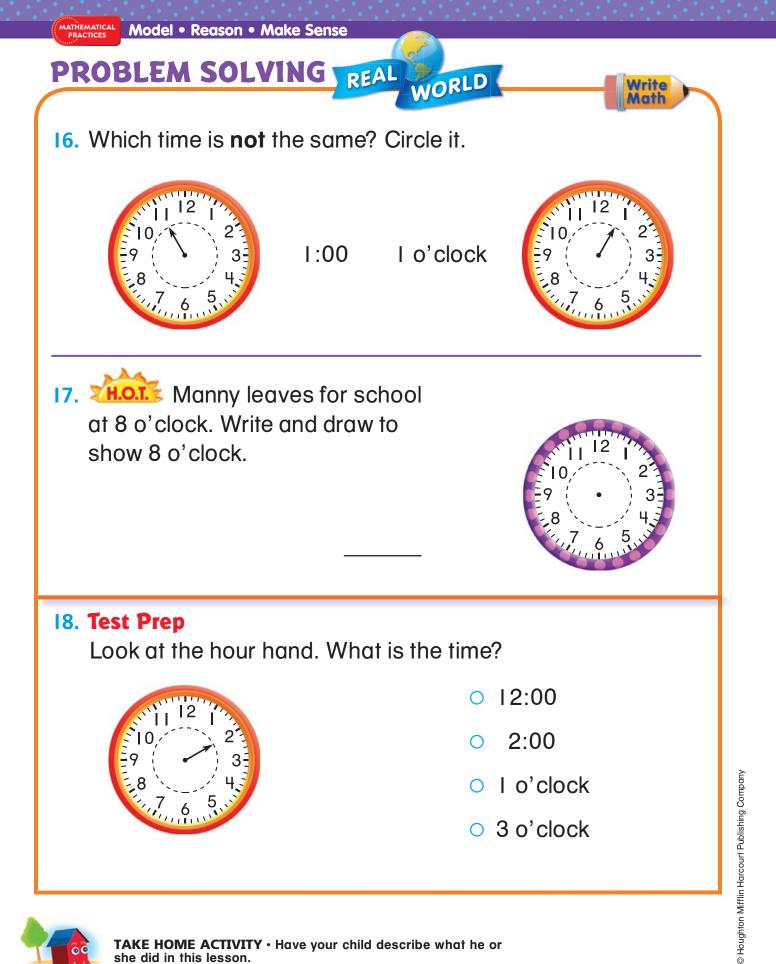


© Houghton Mifflin Harcourt Publishing Company

### **On Your Own**

Look at where the hour hand points. Write the time.





TAKE HOME ACTIVITY · Have your child describe what he or she did in this lesson.

### Time to the Half Hour

**Essential Question** How do you tell time to the half hour on a clock that has only an hour hand?

### Listen and Draw

### Circle **4:00**, **5:00**, or **between 4:00 and 5:00**

to describe the time shown on the clock.

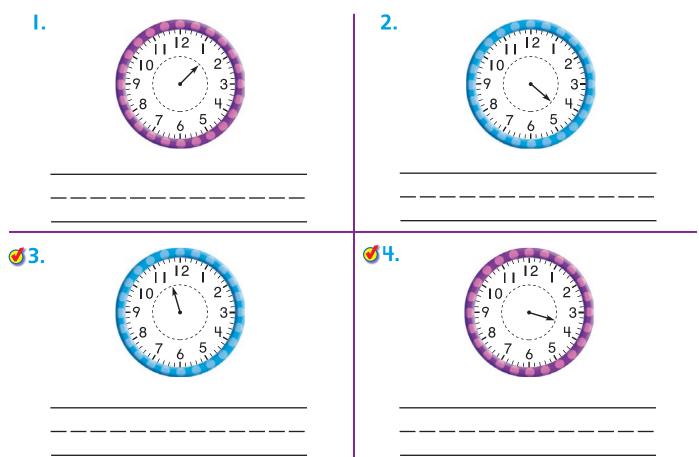
	4:00
2 10,7 2 9 3 10,7	between 4:00 and 5:00
7.65.	5:00
	4:00
2 9 ( 8 4	between 4:00 and 5:00
7 6 5	5:00
	4:00
	between 4:00 and 5:00
7 6 5 11	5:00 Math Talk
<b>FOR THE TEACHER</b> • Have children look hour hand on each clock to decide which best describes the time shown.	the time shown on the middle clock.
Chapter 9	three hundred ninety-three <b>393</b>

# As an **hour** passes, the hour hand moves from one number to the next number. When a **half hour** has passed, the hour hand points halfway between two numbers.

### Share and Show



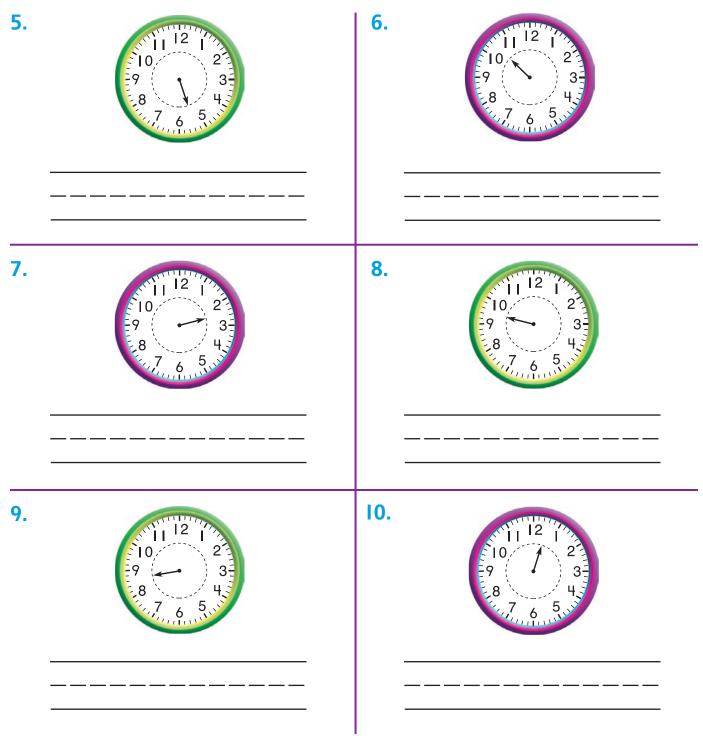
Look at where the hour hand points. Write the time.

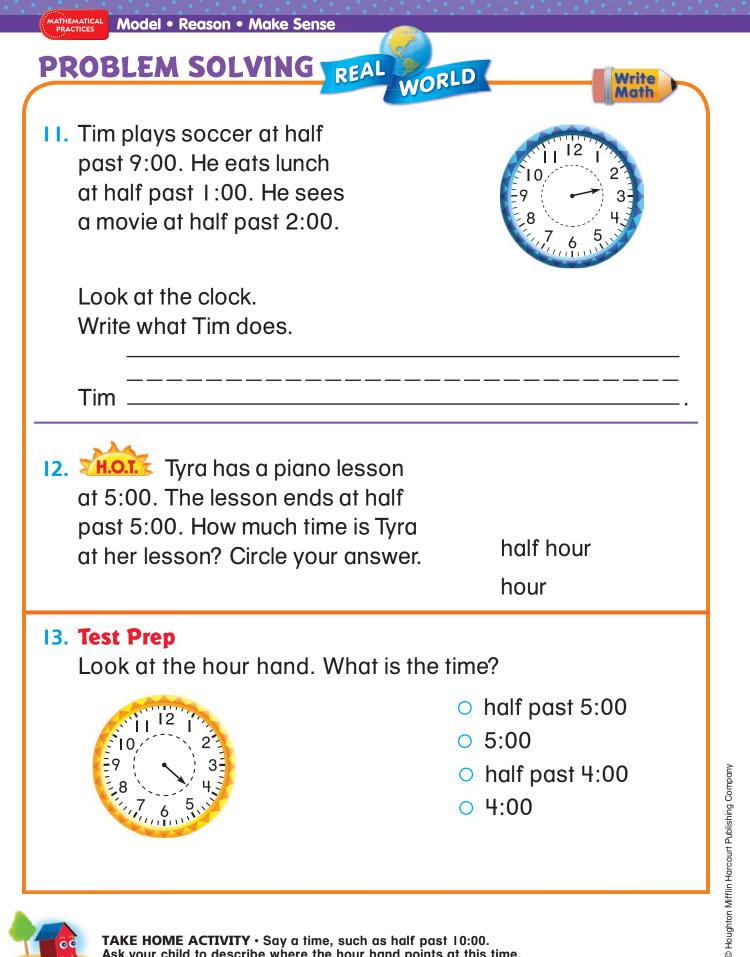


O Houghton Mifflin Harcourt Publishing Company

### **On Your Own**

Look at where the hour hand points. Write the time.





TAKE HOME ACTIVITY · Say a time, such as half past 10:00. Ask your child to describe where the hour hand points at this time.

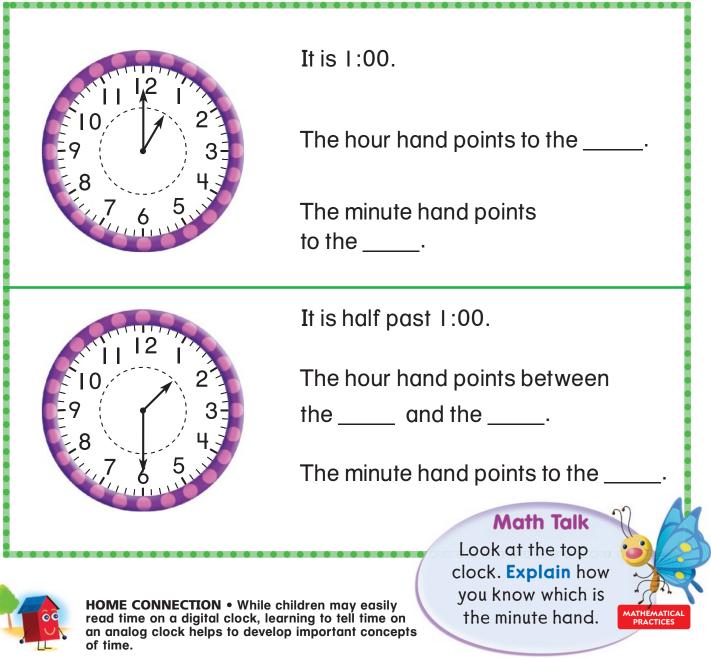
#### Name \_\_\_

### Tell Time to the Hour and Half Hour

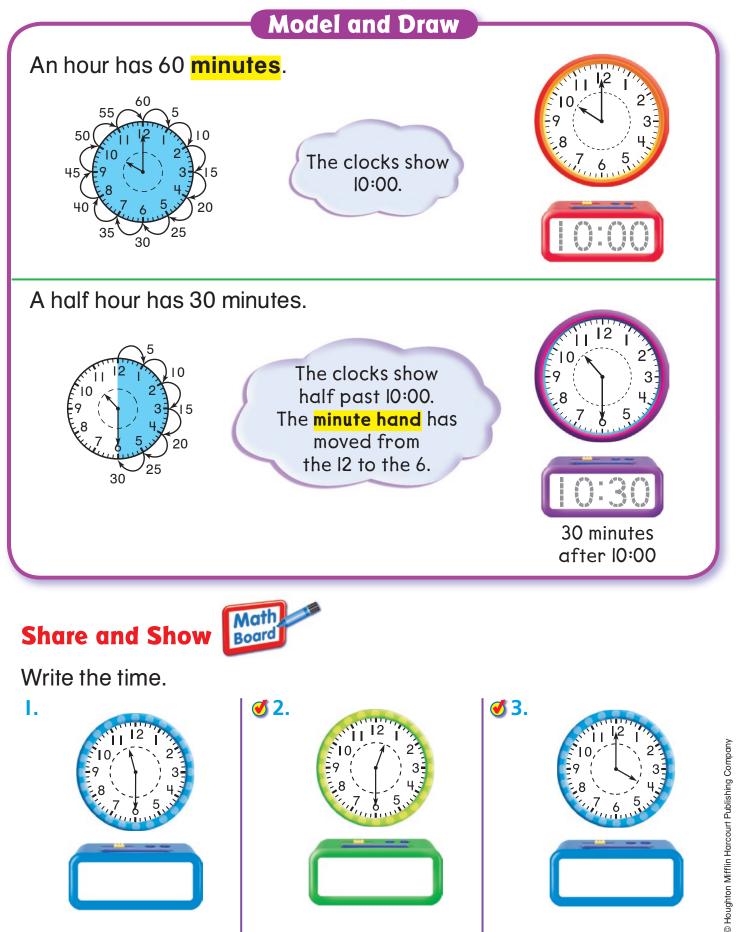
**Essential Question** How are the minute hand and hour hand different for time to the hour and time to the half hour?

## Listen and Draw REAL WORLD

Each clock has an hour hand and a minute hand. Use what you know about the hour hand to write the missing numbers.



Houghton Mifflin Harcourt Publishing Company



### **On Your Own**

 Write the time.
 5.
 6.

 4. 5. 6. 

 9. 7. 8. 9. 

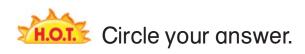
 1112 233 8. 9. 

 1112 233 9. 1112 127 

 100 9. 1112 127 233 9. 

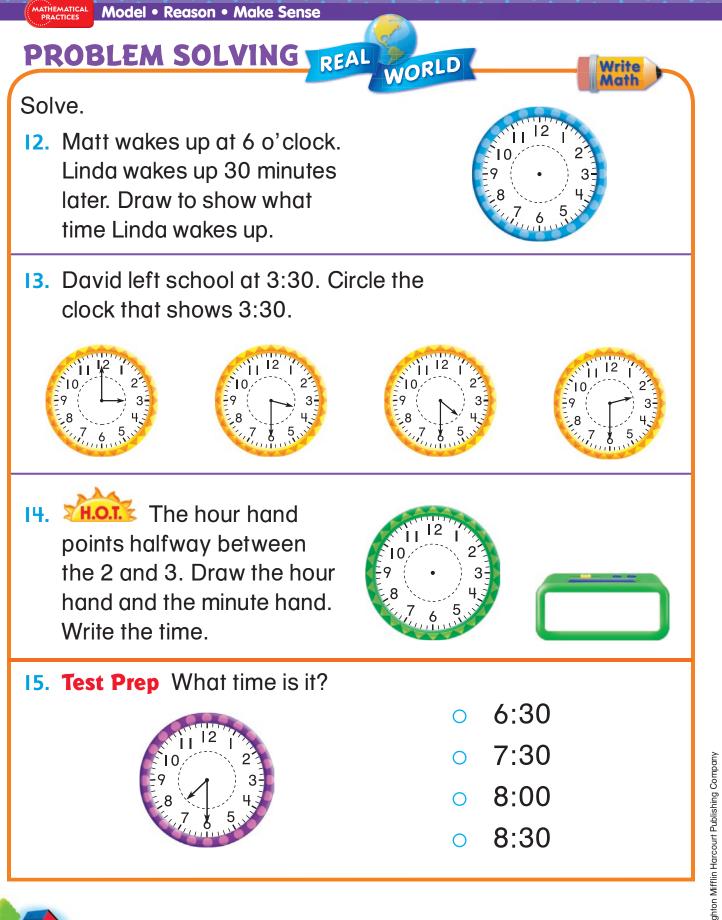
 1112 233 9. 1112 127 233 9. 

 1112 127 9. 1112 127 1112 127 1112 127 1112</t



- 10. Sara goes to the park when both the hour hand and the minute hand point to the 12. What time does Sara go to the park?
  - 1:00 12:00 12:30
- II. Mel goes to the park at 3 o'clock. He stays for 2 hours. What time does Mel leave the park?

I o'clock 3 o'clock 5 o'clock



TAKE HOME ACTIVITY • At times on the half hour, have your child show you the minute hand and the hour hand on a clock and tell what time it is.

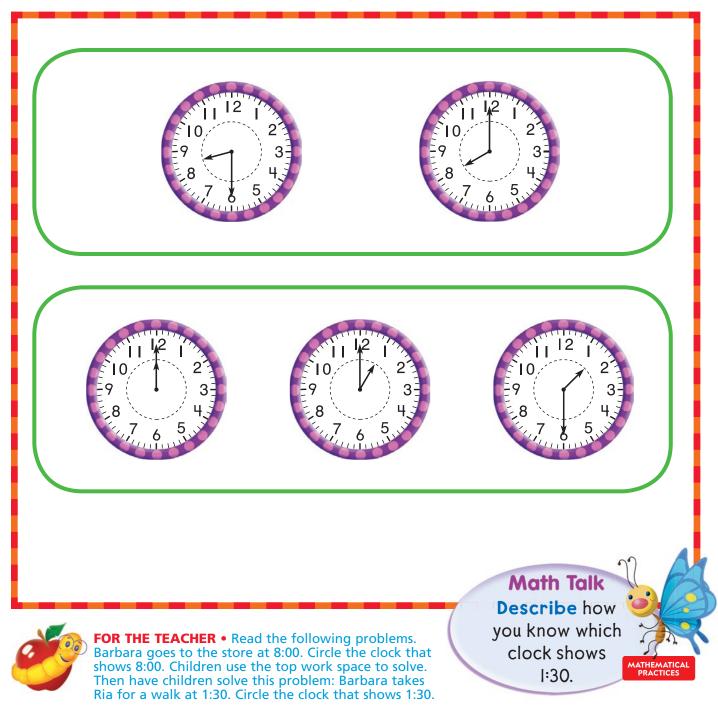
#### Name

### Practice Time to the Hour and Half Hour

**Essential Question** How do you know whether to draw and write time to the hour or half hour?

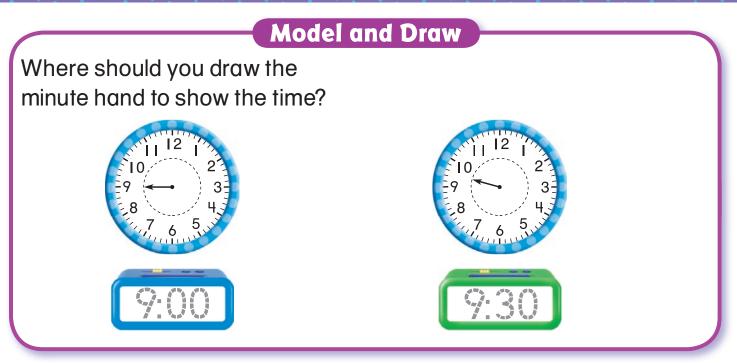


Circle the clock that matches the problem.



**Chapter 9** 

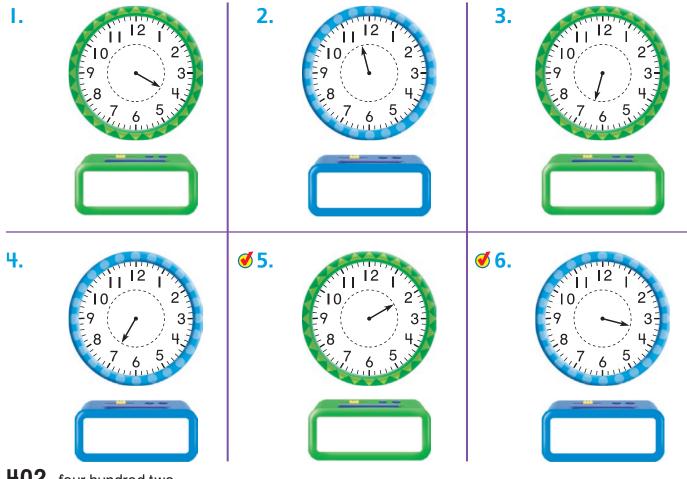
© Houghton Mifflin Harcourt Publishing Company



### Share and Show



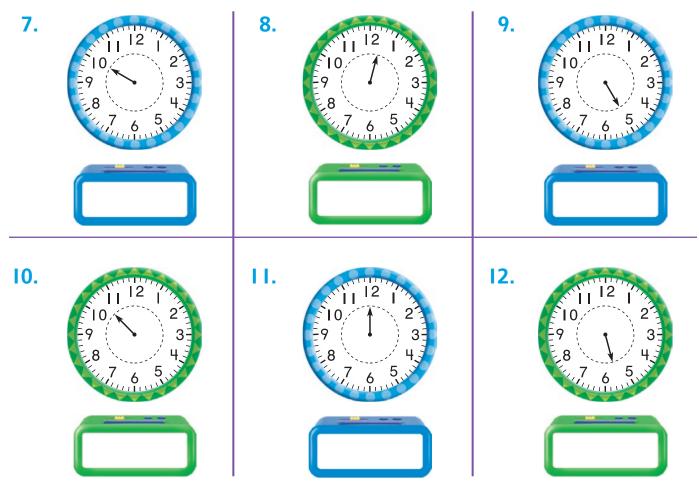
Use the hour hand to write the time. Draw the minute hand.



O Houghton Mifflin Harcourt Publishing Company

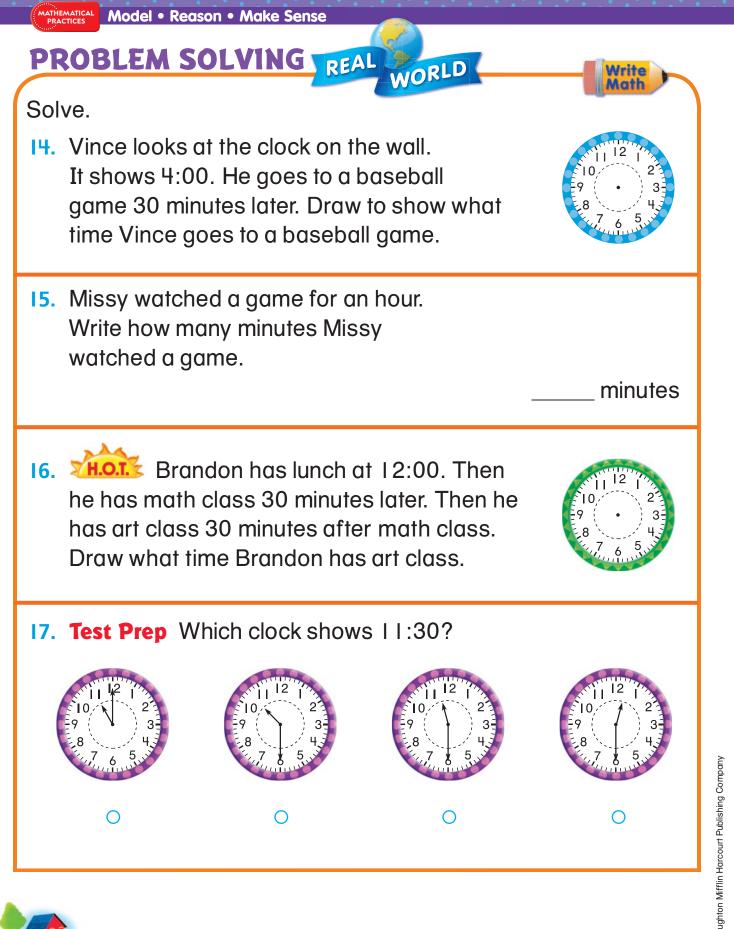
### **On Your Own**

Use the hour hand to write the time. Draw the minute hand.



**13.Explain What is the error?** Zoey tried to show 6:00. Explain how to change the clock to show 6:00.



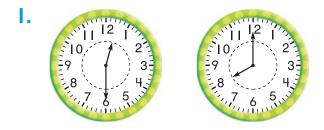


TAKE HOME ACTIVITY · Show your child the time on a clock. Ask him or her what time it will be in 30 minutes.



### Vocabulary

Circle the clock that shows time to the **half hour**. (p. 394) Underline the clock that shows time to the **hour**. (p. 394)



### **Concepts and Skills**

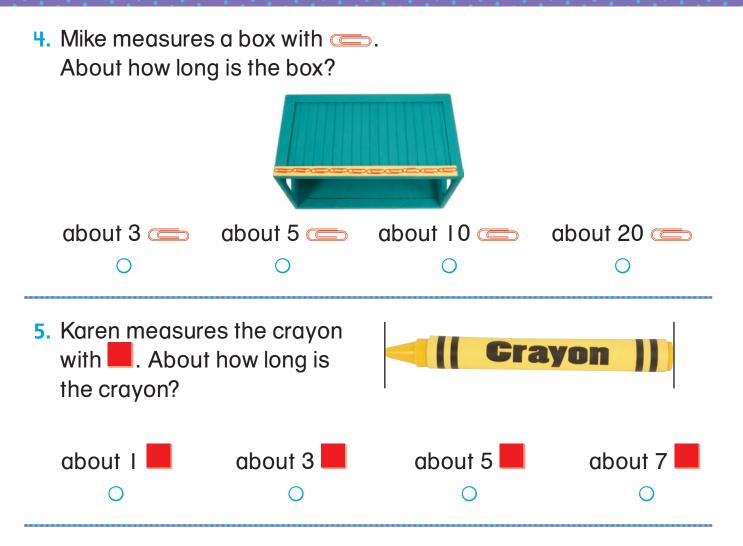


about	

# Draw three crayons in order from **longest** to **shortest**.

3. longest shortest

© Houghton Mifflin Harcourt Publishing Company



6. A red line is longer than a purple line. The purple line is longer than a yellow line. Which is correct?



7. What is the time? ○ 7:00 o half past 7:00 08:00 o half past 7:00 8. Look at the hour hand. What time is it? ○ 7:00 0 8:00 ○ 9 o'clock 10 o'clock  $\bigcirc$ 9. The red line is about 4 constant line is I longer than the red line. The green line is 2 shorter than the red line. Which is correct?  $\bigcirc$  $\bigcirc$  $\bigcirc$  $\bigcirc$ 

### **Performance Task**

Choose three objects to measure.

- Measure the length of each object with
- Order the objects from shortest to longest.

Write each measurement. Use pictures, words, or numbers to show how you ordered the lengths of the objects.

Show your work.