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Algebra • Different Names for Numbers

Essential Question How can you show the value of a number in different ways?



Use to show the number. Make trades to show the number a different way.

Record the tens and ones.

•			
	tens	ones	
	tens	ones	
	tens	ones	Math Talk
FOR T	WE TEACHED . Pood the following prob	lom	Describe the trades you made for
Drew he car	has 21 pennies. What are some different n show 21 with blocks? Have children star	ways rt with	different models.
21 on the n	es blocks. Then have them make trades a umber of tens and ones in each of their n	nd record nodels.	PRACTICES



FL2

On Your Own

The blocks show the numbers in different ways. Describe the blocks in two ways.

3. 44



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MATHEMATICAL Model • Reason • Make Sense				
PROBLEM SOLVING	Write			
Circle the answer for each riddle.				
 7. A number has the digit 2 in the ones place and the digit 7 in the tens place. Which of these is another way to write this number? 	 8. HOT: A number is shown with 3 tens and 17 ones. Which of these is a way to write the number? thirty 			
20 + 7 70 + 2	thirty-seven			
2 + 7	forty-seven			
Fill in the blanks to make each sentence true.				
9. tens ones is the same as $70 + 4$.				
10. 6 tens 28 ones is the same as +				
II. 3 tens ones is the same as + 16.				
I2. Test Prep Which of these is show the number 32?	a way to			
I ten 32 ones				
 ○ 2 tens 3 ones 				
 3 tens 2 ones 3 tens 12 ones 				



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Essential Question How can you use inch models to measure length?



Use color tiles to measure the length.





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FL6

Name _____

On Your Own

Use color tiles. Measure the length of the object in inches.



Chapter 9 • Lesson 5A

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FL8

TAKE HOME ACTIVITY · Have your child use several of the same small item (such as paper clips) to measure the lengths of some objects at home. O Houghton Mifflin Harcourt Publishing Company

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Make and Use a Ruler

Essential Question Why is using a ruler similar to using a row of color tiles to measure length?

Listen and Draw REAL WORLD

Use color tiles. Make the given length. Trace along the edge to show the length.



FLI0



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Mathematical Practices Model • Reason • Make Sense	
PROBLEM SOLVING REA	WORLD Write
 Work with a classmate. Together, use both of rulers to measure the length of a bulletin board or a window. What is the length? 	your of
	about inches
I0. Describe what you did in Exer How did you measure a length is longer than your rulers?	rcise 9. n that
II. Test Prep Use your ruler. What is the best choice for the length of this piece of yarn?	 about 6 inches about 5 inches about 4 inches about 3 inches



TAKE HOME ACTIVITY ${\boldsymbol \cdot}$ Choose one object in this lesson. Have your child find objects that are longer, about the same length, and shorter.

Measure with an Inch Ruler

Essential Question How do you use an inch ruler to measure lengths?



Draw each caterpillar to match the given length.





FL14

On Your Own

Measure the length to the nearest inch.



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TAKE HOME ACTIVITY • Have your child measure the lengths of some objects to the nearest inch using a ruler or a similar measuring tool.

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Pennies, Nickels, and Dimes

Essential Question What are the values of a penny, a nickel, and a dime?

Listen and Draw REAL WORLD

Draw (1) to show how Jerry trades.

nickel	pennies
(54)	





Chapter 9

FOR THE TEACHER • Jerry knows a penny has a value of 1 cent. He wants to trade some pennies for 1 nickel. He wants to trade some pennies for 1 dime. How will Jerry trade? How many pennies would Jerry trade for 2 nickels? Explain.

Math Talk

Model and Draw or or or penny dime **nickel** l cent 10 cents 5 cents 00Ć. A nickel has the A dime has the same value as same value as 5 pennies. 10 pennies. Math Board Share and Show Use coins. Write the total value. Count pennies Ι. by ones. ¢ ¢ Ć Ć Ć Count nickels **Ø**2. by fives. © Houghton Mifflin Harcourt Publishing Company Ć Ċ, Ć Ć C Count dimes ₫ 3. by tens. Ć Ć Ć. Ć Ć.

FL18



PROBLEM SOLVING REAL WORLD Write Draw and label coins to solve. 10. Betty has only nickels. The total value is 15¢. Draw the nickels Betty has. Roger has 40¢. He has 4 coins. н. All his coins are the same kind. Draw the coins Roger has. 12. Those Look at the nickels. Write how many pennies have the same value. Write how many dimes have the same value. ____ pennies dimes 13. Test Prep What is the total value? 3¢ 15¢ 30¢ 10¢ Ο \bigcirc \bigcirc Ο



TAKE HOME ACTIVITY • Give your child different groups of pennies. Ask him or her to count to find the total value of each group. Repeat with groups of nickels and groups of dimes. O Houghton Mifflin Harcourt Publishing Company

Name ____

Count Collections

Essential Question How can you count a group of pennies and dimes?



Use coins to show the problem. Draw and label the coins.



FOR THE TEACHER • Juan has some pennies and dimes. He chooses one kind of coin to show 20 cents. How can Juan show 20 cents?

Math Talk What coin has the same value as IO pennies? Explain.



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On Your Own

Count. Write the total value.





Write the total value.







TAKE HOME ACTIVITY • Have your child count to identify the total value of groups of pennies and/or dimes, up to 50 cents.

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Name ____

Quarters

Essential Question How can you find the total value of a group of coins?

Listen and Draw REAL WORLD

Draw (\mathbf{k}) to show how Marisa trades.

quarter	pennies
(25¢)	
FOR THE TEA has a value of pennies for a	CHER • Marisa knows a quarter 25 cents. She wants to trade some quarter. How will Marisa trade?

Chapter 9





Use coins. Count. Write the total value.



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FL26

On Your Own

Count. Write the total value.









TAKE HOME ACTIVITY • Have your child count groups of quarters, dimes, nickels, and pennies, with a maximum total value of 100¢.

Name

One Dollar

Essential Question How can you show the value of one dollar with coins?



Draw the coins. Write the total value.



Chapter 9

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✓ I. quarters

✓ 2. dimes

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On Your Own

Circle coins to make \$1.00. Cross out the coins you do not use.





6.

Draw more coins to show \$1.00.



Chapter 9 • Lesson 9D

