Name _____

Addition and Subtraction with Place Value

Combining Blocks ✏️

Put all of your base-ten blocks in a pile.

STEP 1 Making Sets

Choose any 6 base-ten blocks from the pile.
What blocks did you and your partner choose?

	How many rods?	How many units?	Total Value
Child 1			
Child 2			

STEP 2 Combining Sets

What is the value of the blocks in both sets? _____

Explain how you found the total.

_____

_____

STEP 3 Recording Totals

How can you record the way you combined the two sets of blocks?

_____

_____

_____

Dear Family,

Today we started Chapter 4 of *Think Math!* In this chapter, I will work with base-ten blocks, symbols, and numbers to learn how to add and subtract. I will also work with dollars, dimes, and pennies. There are NOTES on the Lesson Activity Book pages to explain what I am learning every day.

Here are some activities for us to do together at home. These activities will help me practice adding and subtracting.

Love,

_____

Family Fun

Adding Dimes and Pennies

Work with your child to practice addition using dimes and pennies.

- Gather a bunch of dimes and pennies for this activity.
- Each of you takes a handful of pennies and dimes and puts them in front of you.
- Work together to count each handful of coins and write the amounts on a sheet of paper. 43¢ 38¢
- Combine the coins from both handfuls.
- Work together to find how much money there is in all. If you have 10 pennies, trade them for a dime. Try counting the dimes first and then adding the pennies. Write the total.

43¢
38¢
81¢

- Repeat with other handfuls of coins.

Cross Number Puzzles

Work with your child to complete a Cross Number Puzzle.

- A Cross Number Puzzle is like a crossword puzzle for numbers.
- Together, complete this puzzle by adding across and down. For each row, write the sum of the two numbers in the shaded box. Do the same for each column. In the green shaded box, write the sum of the rows and columns. The sum of the columns should always be the same as the sum of the rows!

4	8	
6	2	

4	8	12
6	2	8
10	10	20

Chapter 4
Lesson 1

Exploring Addition with Base-Ten Blocks

NCTM Standards 1, 2, 6, 7, 8, 9, 10

☐ is 100, | is 10, and • is 1.

What is the total? Draw the symbols.

1.

In Stock	New	Total

2.

In Stock	New	Total

3.

In Stock	New	Total

4.

In Stock	New	Total

5.

In Stock	New	Total

6.

In Stock	New	Total

NOTE: Your child is learning to add hundreds, tens, and ones to find the sum. Your child can also record the blocks with symbols.

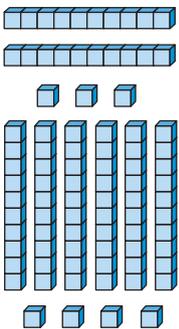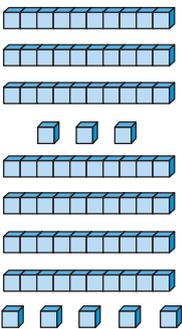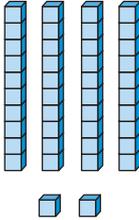**What is the total? Draw the symbols.**

7.

In Stock	New	Total
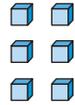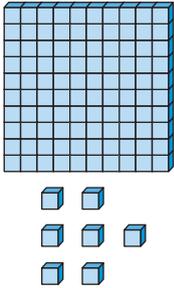
8.

In Stock	New	Total
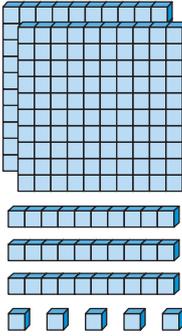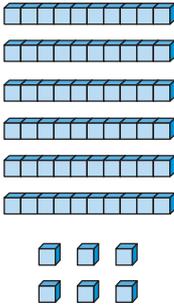
9.

In Stock	New	Total

10.

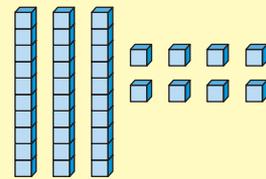| In Stock	New	Total
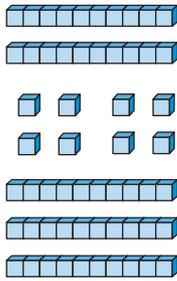
Problem Solving

11. Jack has 3 rods and 8 units. He wants to trade for a flat. What blocks does he need in order to make the trade? Use words, numbers, or pictures to explain.

_____

_____

_____

_____

_____

Chapter 4
Lesson 2

Exploring Subtraction with Base-Ten Blocks

NCTM Standards 1, 2, 6, 8, 9, 10

What is missing? Draw the symbols.

1.

In Stock	Sold	Left

2.

In Stock	Sold	Left

3.

In Stock	Sold	Left

4.

In Stock	Sold	Left

5.

In Stock	Sold	Left

6.

In Stock	Sold	Left

NOTE: Your child is learning to subtract with hundreds, tens, and ones. Ask your child to explain how to find the answer for Problem 6.

What is missing? Draw the symbols.

7.

In Stock	Sold	Left

Open a package
if you need ones.
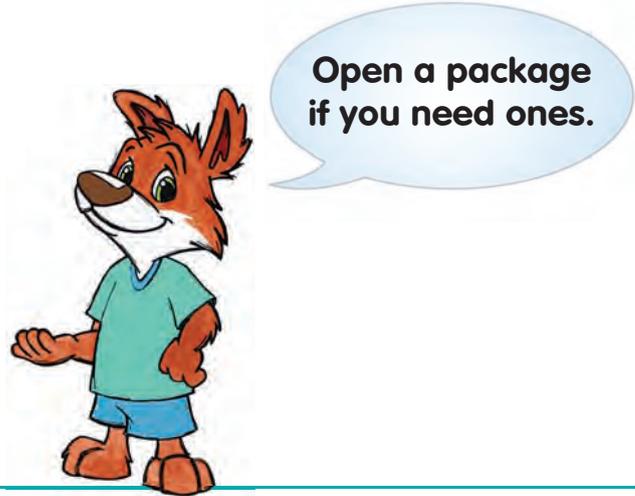
8.

In Stock	Sold	Left

9.

In Stock	Sold	Left

10.

In Stock	Sold	Left

11.

In Stock	Sold	Left

Challenge

12. What is missing?

In Stock	Sold	Left

Chapter 4
Lesson 3

Wonder Wheel Addition and Subtraction

NCTM Standards 1, 2, 6, 8, 9, 10

What is the total? Draw the symbols.

1.

In Stock	New	Total

2.

	In Stock
	New
	Total

3.

	In Stock
	New
	Total

4.

	In Stock
	New
	Total

NOTE: Your child is learning to add and subtract two- and three-digit numbers. Your child can also record the blocks with symbols.
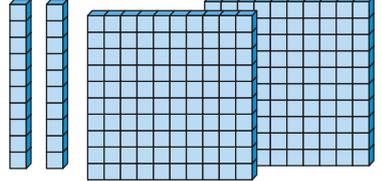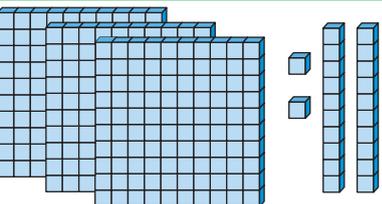
What is missing? Draw the symbols.
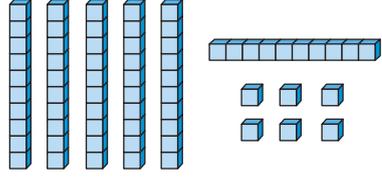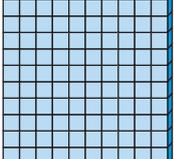
5.

In Stock	New	Total
(3 tens, 2 ones)		(4 tens, 4 ones)

6.

In Stock	New	Total
(3 tens, 6 ones)		(7 tens, 3 ones)

7.

In Stock		In Stock
(hundreds and tens blocks)		
		New
(hundreds, tens, ones blocks)		Total

8.

In Stock		In Stock
(tens and ones blocks)		
		New
(hundred block)		Total

Challenge

9. Show two different ways to make the same total.
   Draw the symbols.

In Stock	New	Total
		(hundred, tens, ones)
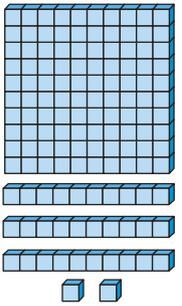
In Stock	New	Total
		(hundred, tens, ones)
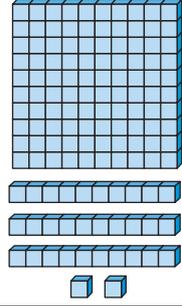
Introducing the Cross Number Puzzle

NCTM Standards 1, 2, 6, 7, 8, 9, 10

What is missing?

Rules:
- Make the same amount on both sides of the thick line.
- You cannot have more than 9 of any symbol in each box.

Work across and down. Follow the rules.

1.

2.

3.

4.

5.

6.

7.

NOTE: Your child is learning to solve Cross Number Puzzles using symbols. These puzzles will help your child understand how to add and subtract numbers.

What is missing?

8.

9.

10.

11. Make your own.

Challenge

12. What is missing?

How can you check your answers?
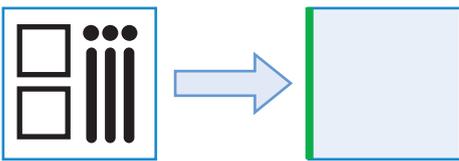
_____

_____

_____
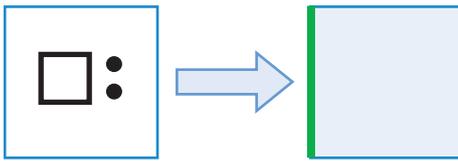
_____

Addition and Subtraction

NCTM Standards 1, 2, 6, 9, 10

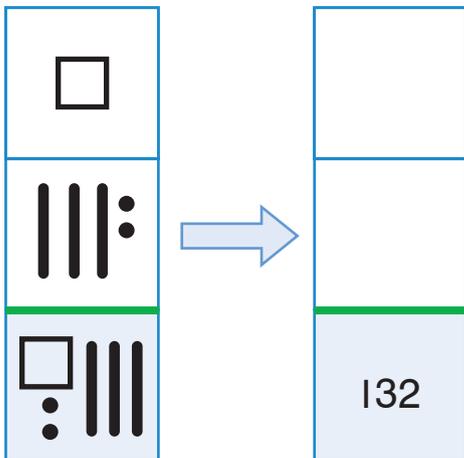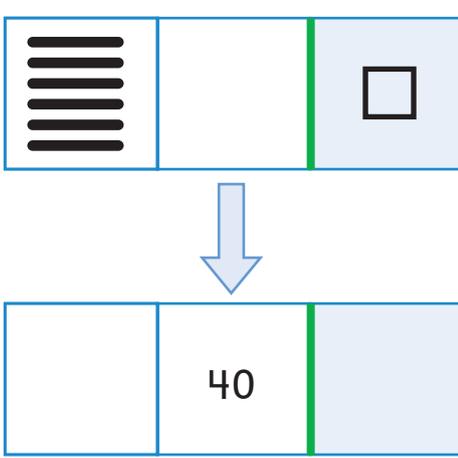## What is missing? Draw the symbols and write the numbers.
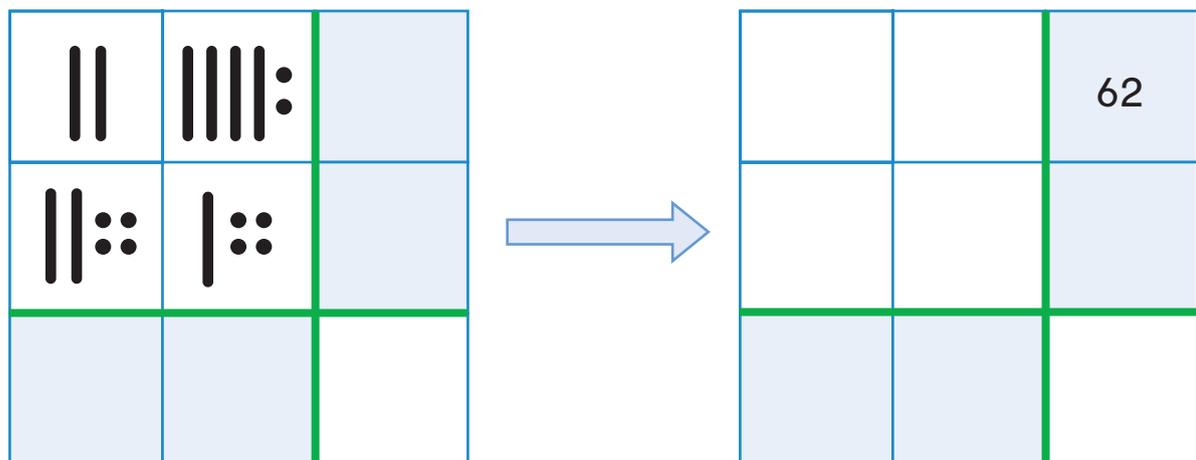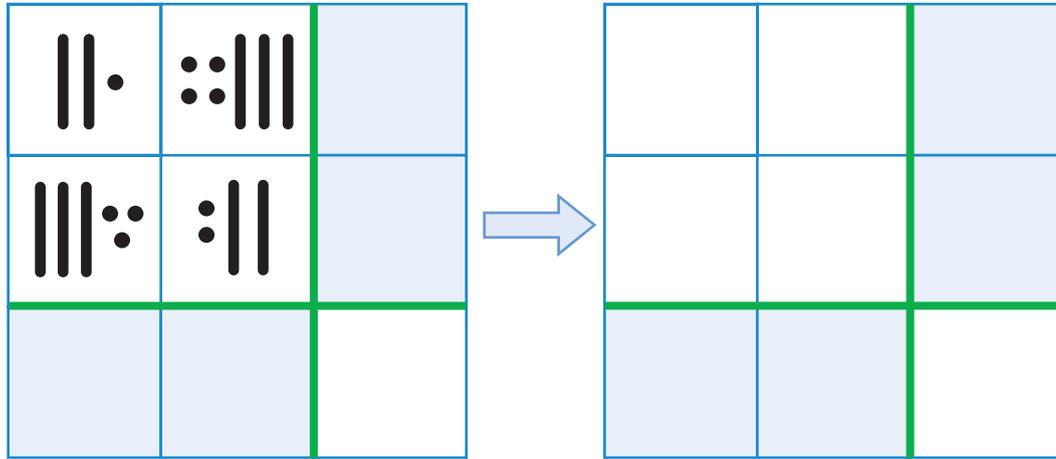
1.

2.

3.

4.

5.

6.

7.
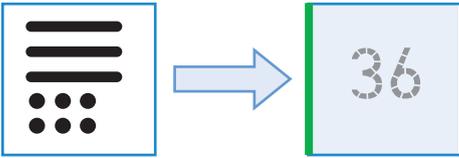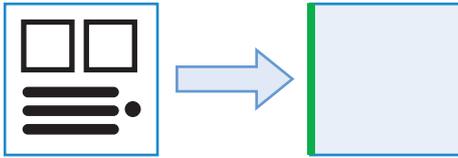
NOTE: Your child is learning to add and subtract two- and three-digit numbers using Cross Number Puzzles.

What is missing? Draw the symbols and write the numbers.

8.

9.
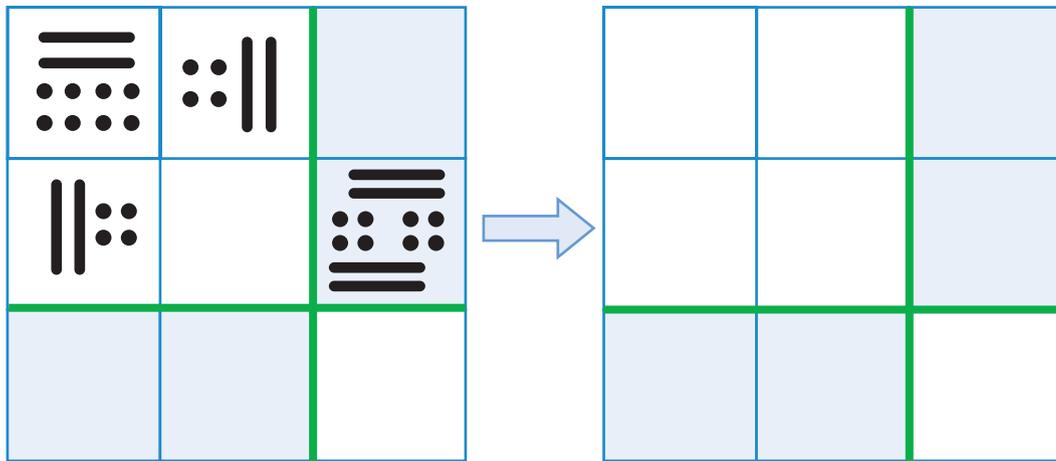
Challenge

10. What is missing?

20	4
	9

Chapter 4
Lesson 6
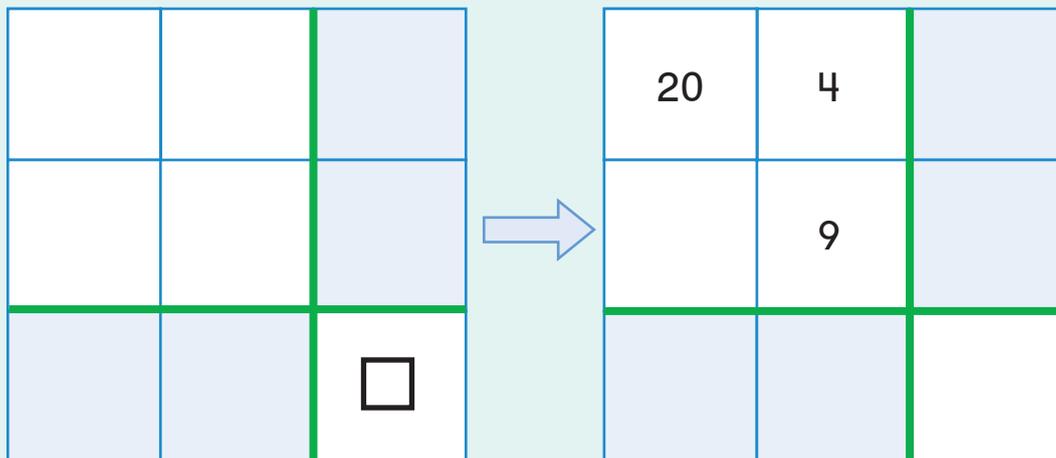
Adding a Multiple of 10

NCTM Standards 1, 2, 6, 7, 8, 9, 10

What is missing?

1.
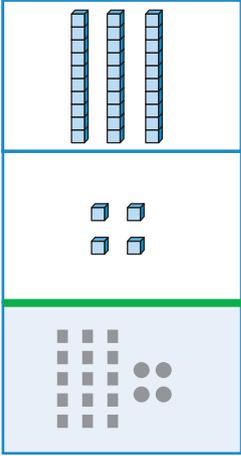
| | 30 |
| 4 |
| 34 |

2.
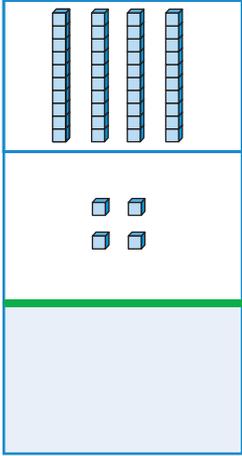
| | |
| 4 |
| |

3.
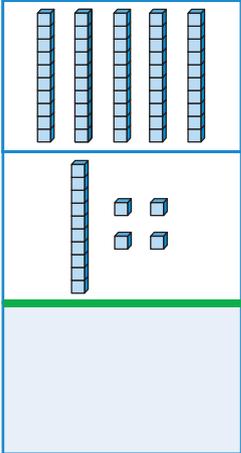
| | |
| |
| 64 |

4.
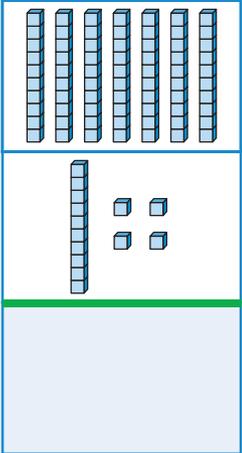
| 60 |
| |
| |

5.
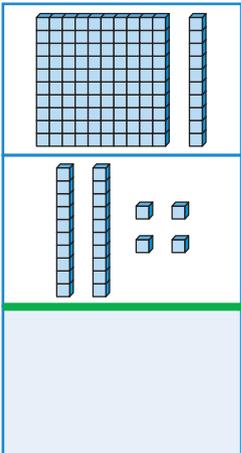
| | |
| |
| 134 |

6.
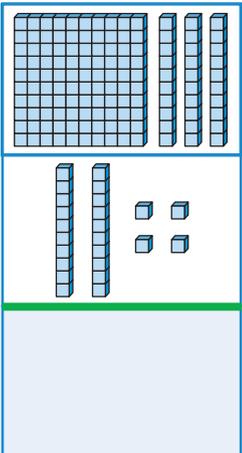
| 130 |
| |
| |

NOTE: Your child is learning to add multiples of 10.
Ask your child to solve 20 ___ 16.

What is missing?

7.

8.
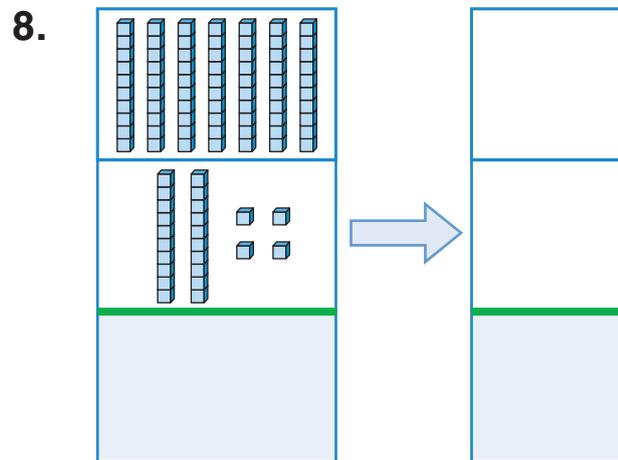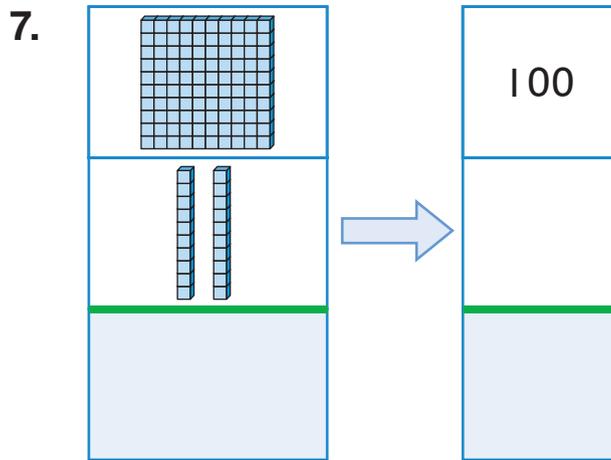
Use the pattern to help you.

9.

	15
	10

10.

	15
	30

11.

	15
	40

12.

	15
	70
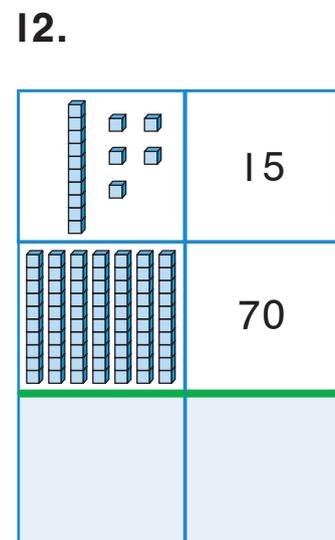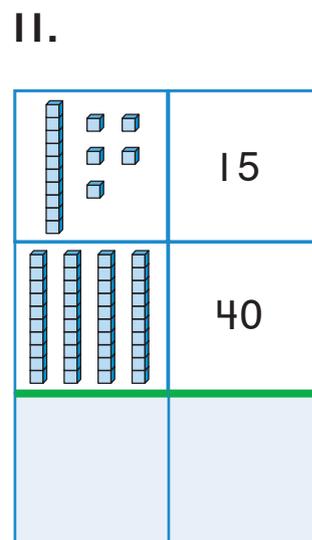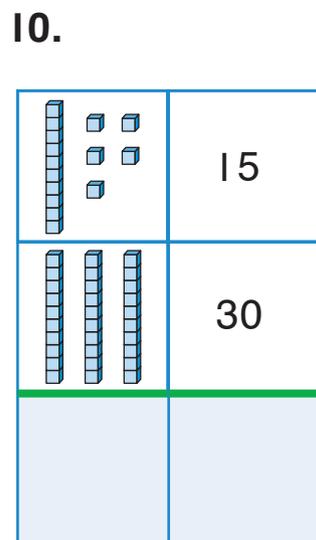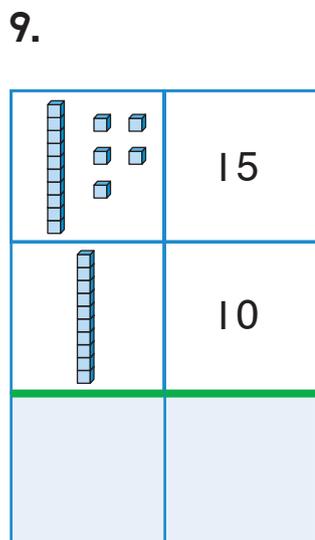
Problem Solving

13. Mrs. Sung buys a roll of 100 stamps. She has 32 stamps at home. How many stamps does Mrs. Sung have in all?

Use words, numbers, or pictures to explain.

_____ stamps

Fewest Dimes and Pennies

NCTM Standards 1, 2, 6, 7, 8, 9, 10

How can you show 24¢ using only dimes and pennies?

24¢	
Dimes	**Pennies**
0	24
1	14
2	4

This way uses the fewest coins.

How can you show each money amount with the fewest coins? Use only dimes and pennies.

Money Amount	How many dimes?	How many pennies?	How much money?
1. twenty-four cents	2	4	24 ¢
2. twenty-five cents			¢
3. twenty-six cents			¢
4. thirty-six cents			¢
5. forty-six cents			¢
6. fifty-two cents			¢
7. seventeen cents			¢
8. ten cents			¢

NOTE: Your child is learning to represent money amounts using the fewest dimes and pennies. Together, show 43¢ using the fewest dimes and pennies.

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Show each money amount as many ways as you can.
Use only dimes and pennies.

9.

16¢	
Dimes	**Pennies**
0	16

How many coins are used to show 16¢ with the fewest dimes and pennies?

_____ coins

10.

37¢	
Dimes	**Pennies**

How many coins are used to show 37¢ with the fewest dimes and pennies?

_____ coins

11. Max has 42¢ in dimes and pennies. He has the fewest coins for that amount. How many coins does he have? Tell how you know.

_____ coins

_____

_____

_____

Problem Solving

12. Tara has only pennies and dimes in her pocket. She takes out 5 coins. What is the most money that Tara could have? Explain.

_____ ¢

_____

_____

Name _____ Date _____

Fewest Dollars, Dimes, and Pennies
NCTM Standards 1, 2, 6, 7, 8, 9, 10

How can you show $2.43 with the fewest bills, dimes, and pennies?

> Use as many dollar bills as you can. Use as many dimes as you can.

2 dollars　　4 dimes　　3 pennies　　$2.43

How can you show each money amount with the fewest bills and coins? Use only dollars, dimes, and pennies.

	Money Amount	How many dollars?	How many dimes?	How many pennies?
1.	$1.62	1	6	2
2.	$1.57			
3.	$1.93			
4.	$2.14			
5.	$2.30			
6.	$3.41			
7.	$3.08			

NOTE: Your child is learning to represent money amounts with the fewest dollars, dimes, and pennies. Together, show $1.23 using 1 bill, 2 dimes, and 3 pennies.

How much money is there?

(P) = 1¢   (D) = 10¢

8.

D P	
D	**21** ¢
D P	
D P	12¢
D D P	
D P P	¢

→

9.

D P P	
P P P	¢
D P P	
P P P	¢
D D	
D	¢

→

✏ **10.** Joanne has $2.63. What is the fewest bills and coins she could have? Explain how you know.

_____

_____

_____

<div style="border:2px solid teal; background:#fdf6c3">

✏ ## Problem Solving

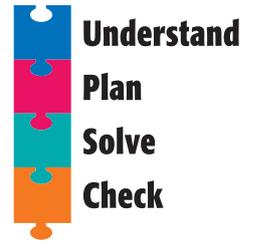**11.** Jared has 1 dollar bill, 4 dimes, and 16 pennies. How much money does he have?

$ _____

Can he show the amount with fewer dollars, dimes, and pennies? Use words, numbers, or pictures to explain.

</div>

Chapter 4
Lesson 9

Problem Solving Strategy
Work Backward ✏️
NCTM Standards 1, 2, 6, 7, 8, 9, 10

Understand
Plan
Solve
Check

1. Brad's basketball team scored 14 points in the second half. They had 56 points at the end of the game. How many points did the team get in the first half?

_____ points

Explain how you found your answer. _____

_____

_____

2. Jen reads every night for 20 minutes. Tonight she finishes at 8:00. What time did she start reading?

___ : ___

Explain how you found your answer. _____

_____

_____

3. The bus stops and 8 people get on and 10 people get off. Now there are 19 people on the bus. How many people were on the bus before it stopped?

_____ people

Explain how you found your answer. _____

_____

_____

NOTE: Your child is exploring different ways to solve problems. Sometimes *working backward* is an efficient way to solve a problem

Problem Solving Test Prep

1. Juan puts 5¢ a day in his bank. How much will he save in 6 days?

   (A) 5¢

   (B) 15¢

   (C) 30¢

   (D) 35¢

2. Mary took 3 pencils out of a new box. There are 15 pencils left in the box. How many pencils were in the box to start?

   (A)   3 pencils

   (B)   9 pencils

   (C) 12 pencils

   (D) 18 pencils

✏️ Show What You Know

3. Ann, Tim, and Carlos are in a race. How can they finish if a girl comes in first?

   _____   _____   _____

     first   second   third

   Explain your answer.

   _____

   _____

   _____

   _____

   _____

4. Lee has only pennies and dimes. He has 6 coins. What is the most money he can have?

   _____¢

   Explain your answer.

   _____

   _____

   _____

   _____

Chapter 4

Review/Assessment
NCTM Standards 1, 2, 6, 7, 8, 9, 10

What is missing? Draw the symbols. Lessons 1–4

1.

In Stock	New	Total

2.

In Stock	Sold	Left

3.

In Stock	New	Total

4.

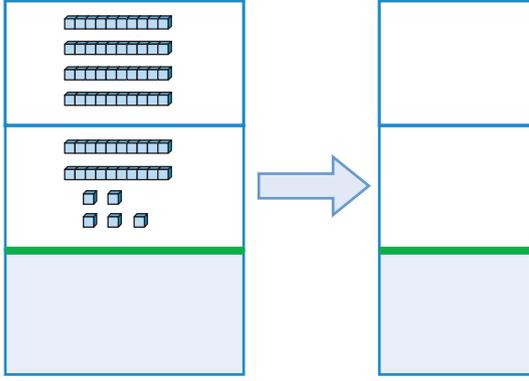**5.** What is missing? Draw the symbols and the numbers. Lesson 5

36

What is missing?

6.
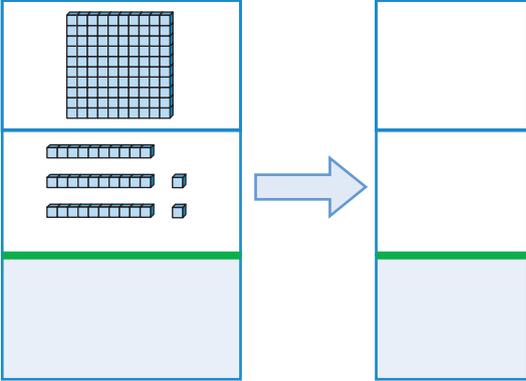
7.

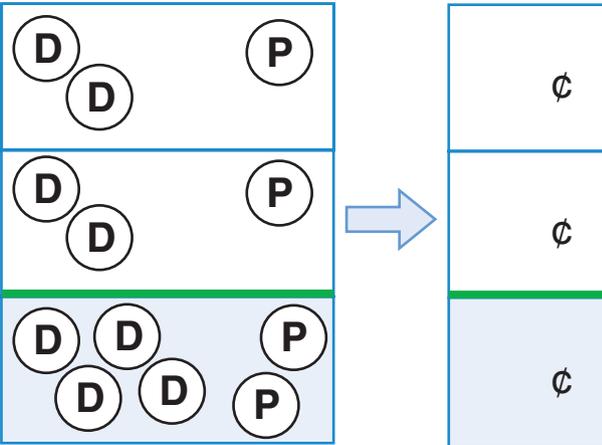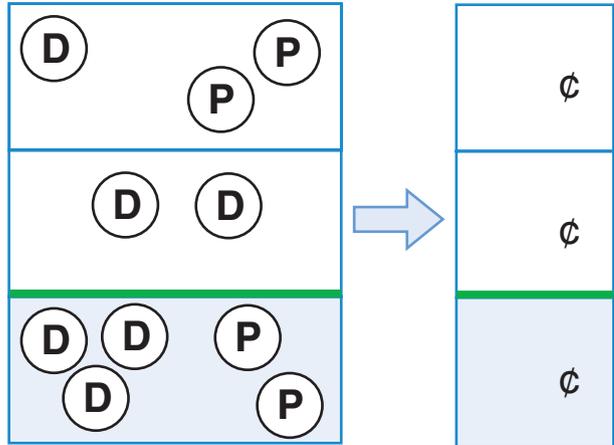## How can you show each amount with the fewest coins?

Money Amount	How many dimes?	How many pennies?	How much money?
8. thirty-six cents			¢
9. ninety-seven cents			¢

How much money is there?

10.

11.

Problem Solving

12. Greg bought 12 toy cars. Now Greg has 28 cars. How many cars did Greg have before he bought these new ones? _____ cars

Explain how you found your answer. _____

_____