Chapter 10

Name _____

Adding and Subtracting Larger Numbers

Double Your Number

You need
- index cards

STEP 1 Reading and Writing Numbers

Pick a card from the pile. Read the numbers on both sides of the card aloud. Write them here.

_____ _____

STEP 2 Comparing

How are both numbers alike? _____

_____

How are they different? _____

_____

_____

_____

STEP 3 Doubling the Numbers

Try to double each number. Show what you do.

_____

_____

_____

_____

_____

Investigation

School-Home Connection

Dear Family,

Today we started Chapter 10 of ***Think Math!*** In this chapter, I will develop my ability to add and subtract bigger numbers. 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 understand addition and subtraction.

Love,

_____

Family Fun

Counting Coins

Work with your child to play this game. Your child will play a similar game in Lesson 2.

- You will need a recording sheet, like the one shown below, and a cup with at least 5 pennies, 5 nickels, 5 dimes, and 5 quarters.

Q	D	N	P	Total Value	Fewest Coins?
1	2	1	1	51¢	no

- You and your child take turns picking any 5 coins from the cup and recording in the table.
- Is your amount shown with the fewest coins? If not, then trade to show the fewest coins. Return the coins to the cup each time. Shake the cup before each turn.
- Play until you and your child each take 5 turns.

Shopping for Bargains

Work with your child to identify money amounts in dollar and cents notation.

- Look through store flyers listing prices for items in dollar and cents notation.
- Have children look for patterns in the prices. For example, many of the prices have 99 cents, such as $5.99 or $499.99.
- Together, make up stories about going to the store to buy one of the items.

Chapter 10
Lesson 1

Name _____ Date/Time _____

Making Sums of 100

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

What number is missing?

1.

$$\begin{array}{r} 25 \\ +\ \boxed{75} \\ \hline 100 \end{array}$$

2.

$$\begin{array}{r} \square \\ +\ 55 \\ \hline 100 \end{array}$$

3.

$$\begin{array}{r} 23 \\ +\ \square \\ \hline 100 \end{array}$$

4.

$$\begin{array}{r} 81 \\ +\ \square \\ \hline 100 \end{array}$$

5. $92 + \square = 100$

6. $14 + \square = 100$

7. $\square + 48 = 100$

8. $\square + 66 = 100$

9. Make your own.

$\square + \square = 100$

NOTE: Your child is learning to find number pairs with a sum of 100. Ask your child to find the number that when added to 32 makes a sum of 100.

10. Which pairs make 100? Circle them as fast as you can.

Sums of 100 Search

36 64	68 43	60 50	51 49	30 75	80 20	12 93	51 64	27 73
60 40	65 10	28 72	85 15	60 30	74 54	29 80	32 68	50 50
76 34	90 10	45 55	37 75	17 83	70 20	62 38	93 16	21 79

11. Pick one of the numbers pairs you just circled. How do you know that it has a sum of 100?

Challenge

12. Complete the addition sentence. Then write two subtraction sentences related to it.

22 ☐ 100

☐ ☐ = ☐

☐ ☐ = ☐

Name _____ Date/Time _____

Adding with Coins

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

What is the value for each collection of coins?

1.

35
_____¢

2.

_____¢

3.

_____¢

4.

_____¢

Show each amount of money with the fewest coins.

5. 35¢

Q D

6. 62¢

7. 59¢

8. 40¢

NOTE: Your child is learning to find the value of a collection of coins and to use the fewest coins for that value.

What is missing? Complete the table.

	Number of Coins	Q	D	N	P	Total Value	Is it the fewest coins? If not, draw a picture.
9.	5	1	0	3	1	41¢	
10.	8	0	5		3		
11.						35¢	yes
12.	9			3	5	45¢	
13.		2			5	60¢	
14.		0	2	1			

Problem Solving

15. Kate has some coins worth 51¢. She could NOT have the fewest coins for that amount. What coins might Kate have? Draw a picture.

Chapter 10
Lesson 3

Name _____ Date/Time _____

Patterns in Money

NCTM Standards 1, 2, 6, 9, 10

At the school store, erasers cost 5¢ and rulers cost 7¢. What is missing in each price list?

1. **Price List for Erasers**

Number of Erasers	1	2		4		6
Total Cost	5¢		15¢			

2. **Price List for Rulers**

Number of Rulers	1		3	4		
Total Cost	7¢		21¢			

Solve each problem.

3. Billy buys 3 erasers. How much does that cost?

_____¢

He gives the clerk 25¢. How much change does he get?

_____¢

4. Billy buys 2 erasers and 1 ruler. How much does that cost? _____¢

What coins can he use to pay the exact amount? _____

_____

5. Billy gives the clerk 25¢. He buys as many erasers as he can. How many erasers is that?

_____ erasers

How much change does he get?

_____¢

6. Billy has 25¢. He buys as many rulers as he can. How many rulers can he get?

_____ rulers

How much does that cost?

_____¢

NOTE: Your child is learning to create and extend money patterns to solve problems.

At the school store, pencils cost 8¢ and markers cost 10¢. What is missing in each price list?

7. **Price List for Pencils**

Number of Pencils	1	2		4	
Total Cost	8¢		24¢		

8. **Price List for Markers**

Number of Markers	1		3	4	
Total Cost	10¢				50¢

Complete the table.

	Billy Has	Billy Buys	Total Cost	Change
9.	50¢	1 pencil, 3 markers		
10.	50¢	2 pencils, 3 markers		
11.	50¢	4 pencils, _____ marker	42¢	
12.	50¢	_____ pencils, _____ markers		14¢

Problem Solving

13. Billy wants to spend exactly 50¢. He must buy at least one pencil and one marker. What might he buy?

_____

Name _____ Date/Time _____

Place Value in Money

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

100¢

=

$1.00

What is missing?

	Number of Pennies	Cents	Dollars and Cents
1.	320	320¢	$3.20
2.	86		$0.86
3.	173		
4.		298¢	
5.			$5.04
6.	439		
7.		75¢	

What is each amount in dollars and cents?

8.

_____

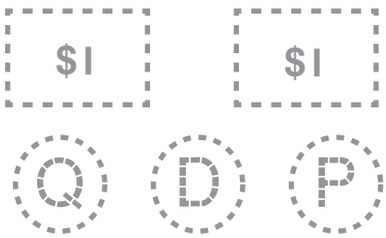
9.

_____

NOTE: Your child is learning to write amounts of money in dollar and cents notation. Together, look through supermarket flyers for prices written with a dollar sign and a decimal point.

How can you show each money amount with the fewest dollar bills and coins?

10. $2.36



11. $1.49

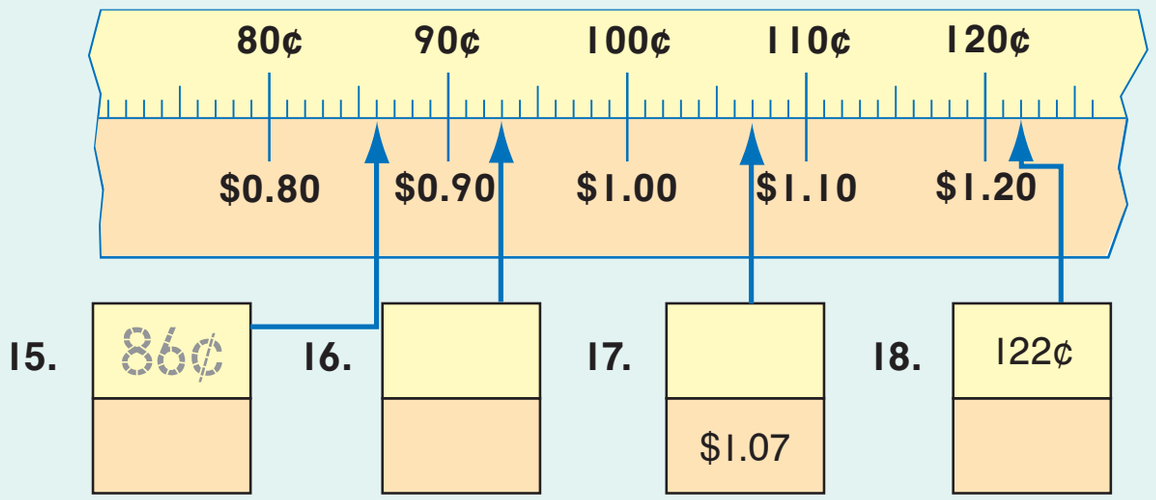
12. $0.82

13. $3.15

14. Is $2.28 closer to $2.00 or $3.00? Tell how you know.

Challenge

Write each missing amount.



Chapter 10
Lesson 5

Name _____ Date/Time _____

Computing with Money

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

What is missing?

1.

10¢	+	4¢	=	14¢
$0.10		$0.04		$

2.

98¢	+	¢	=	
		$0.20		

3.

	+	8¢	=	
$2.53				

4.

	+	124¢	=	
$1.42				

5. $2.00 + $4.00 = $ 6.00

6. $3.50 + $2.30 = $ ____.____

7. $5.00 + 45¢ = $ ____.____

8. $1.20 + 64¢ = $ ____.____

9. 9¢ + $3.82 = $ ____.____

10. 75¢ + $5.50 = $ ____.____

NOTE: Your child is learning to add and subtract money. Give your child a bill and some coins to make up a problem.

Use the menu to solve the problems.

11. Sam buys a salad. He pays $5.00. How much is his change?

$ 1.55

Menu	
Salad	$3.45
Turkey sandwich	$4.70
Milk	85¢
Apple	60¢

12. Sara buys a turkey sandwich. She pays $5.00. How much is her change?

_____

13. Lee buys an apple. He pays $1.00. How much is his change?

_____

14. Use the menu to make up your own problem.

_____

_____

_____

Challenge

15. What is missing? Complete the addition table.

+	5¢	25¢	8¢	$1.00	84¢	$
7¢	12¢	32¢		107¢		148¢
	$0.12	$				

Chapter 10
Lesson 6

Name _____ Date/Time _____

Adding Two-Digit Numbers

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

What is missing?

1.

50	7	57
	6	36
	13	

→

	5	7
+	3	6
	9	

2.

	4	14
	3	83

→

	1	4
+	8	3

3.

		62
		29

→

	6	2
+	2	9

4.

		28
		65

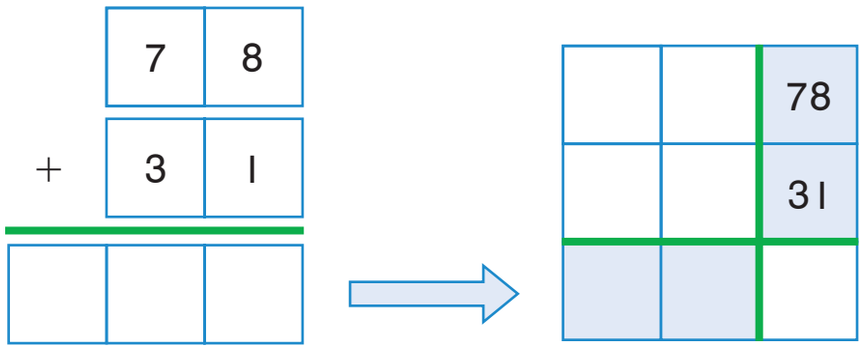
→

	2	8
+	6	5

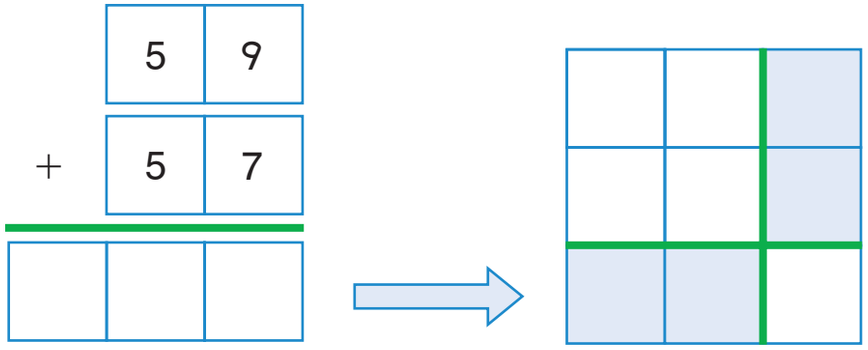
NOTE: Your child is learning to add numbers using a Cross Number Puzzle. Ask your child to explain how to find the sum of 42 + 39.

What is missing?

5.



6.



7. What is the sum? Tell how you added these numbers.

23 + 14 = _____

_____

_____

_____

_____

Problem Solving

8. There are 19 boys and 17 girls in class. How many children are in class?

_____ children

Show your work.

Name _____ Date/Time _____

Subtracting Two-Digit Numbers

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

What is missing?

1.

10	50	60
	20	26
	30	

→

	6	0
−	2	6
	3	

2.

	11	71
10		12

→

	7	1
−	1	2

3.

	4	1
−	1	4

→

30		41
	4	14

4.

	6	2
−	2	6

→

		62
		26

NOTE: Your child is learning how to subtract numbers using a Cross Number Puzzle. Ask your child to explain how to find the difference for 57 − 23.

5. What is the difference? Tell how you subtracted these numbers. $58 - 26 =$ _____

_____

_____

_____

_____

_____

Write a number sentence to describe each problem. Then find the answers.

6. Lisa scored 19 points. Beth scored 23 points. How many points did both girls score?

_____

_____ points

7. There were 50 balloons at the store. Manny bought 34 of the balloons. How many balloons were still at the store?

_____

_____ balloons

Challenge

8. Mia buys a pencil for 25¢ and an eraser for 35¢. How much change does she get from $1.00?

_____¢

Show your work.

Chapter 10
Lesson 8

Name _____ Date/Time _____

Exploring Expanded Notation

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

What is missing?

1. $62 = \boxed{6\_\_\_0} + \boxed{}$

2. $83 = \boxed{\_\_\_0} + \boxed{}$

3. $408 = \boxed{\_\_\_00} + \boxed{}$

4. $375 = \boxed{\_\_\_00} + \boxed{\_\_\_0} + \boxed{}$

5. $981 = \boxed{\_\_\_00} + \boxed{\_\_\_0} + \boxed{}$

6.

400		8	438
	20	0	120
		8	

	4	3	8
+	1	2	0

7.

		4	384
500	0		507

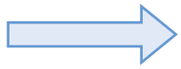
	3	8	4
+	5	0	7

NOTE: Your child is learning to add and subtract three-digit numbers using expanded notation.

What is each sum or difference?

8.

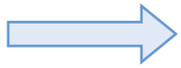
	7	1	8
+	2	0	8



			718
			208

9.

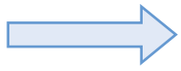
	6	5	9
−	2	3	0



			659
			230

10.

	5	7	2
−	3	3	1



			572
			331

Challenge

11. What subtraction does the puzzle show?

−			

200		5	
	60		
	80		180

Name _____ Date/Time _____

Mental Math with Three-Digit Numbers

NCTM Standards 1, 6, 7, 8, 9

Add 138 in pieces to each number! Do all the work in your head. Write only the answers.

Step 1: Add 100 to each number.

Step 2: Add 30 to each result in Step 1.

Step 3: Add 8 to each result in Step 2.

	1.	2.	3.	4.	5.
	420	322	323	205	681
+100					
	520				
+30					
	550				
+8					
	558				

Subtract 254 from any number! Do all the work in your head. Write only the answers.

Step 1: Subtract 200 from each number.

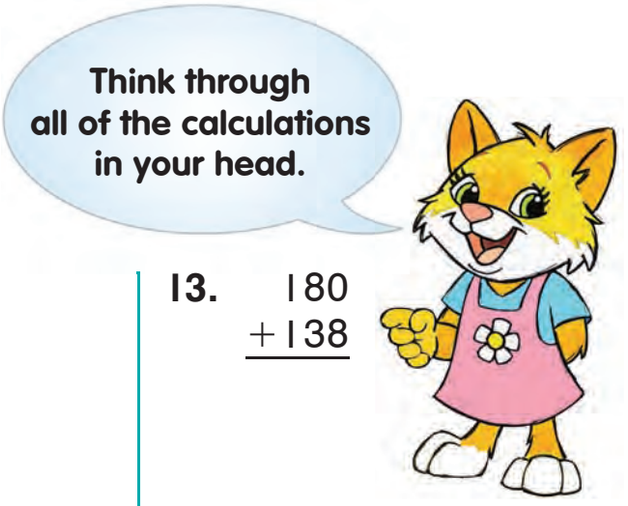
Step 2: Subtract 50 from each result in Step 1.

Step 3: Subtract 4 from each result in Step 2.

	6.	7.	8.	9.	10.
	687	895	954	953	542
−200					
	487				
−50					
	437				
−4					
	433				

NOTE: Your child is learning to add and subtract numbers using mental math. Ask your child to tell how to add 245 + 160 without a pencil and paper.

Add or subtract.



11. $\begin{array}{r} 214 \\ +138 \\ \hline \end{array}$	**12.** $\begin{array}{r} 611 \\ +138 \\ \hline \end{array}$	**13.** $\begin{array}{r} 180 \\ +138 \\ \hline \end{array}$
14. $\begin{array}{r} 782 \\ -254 \\ \hline \end{array}$	**15.** $\begin{array}{r} 682 \\ -254 \\ \hline \end{array}$	**16.** $\begin{array}{r} 582 \\ -254 \\ \hline \end{array}$
17. $\begin{array}{r} 452 \\ +238 \\ \hline \end{array}$	**18.** $\begin{array}{r} 806 \\ -154 \\ \hline \end{array}$	**19.** $\begin{array}{r} 474 \\ -354 \\ \hline \end{array}$

20. Write an addition or subtraction story using a problem on this page.

Problem Solving

21. Lisa added 200 to her number and got 541. What is Lisa's number? _____

22. Conor added 50 to his number and got 684. What is Conor's number? _____

Chapter 10
Lesson 10

Name _____ Date/Time _____

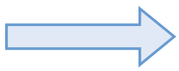
Adding Two- and Three-Digit Numbers

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

What is each sum?

1.

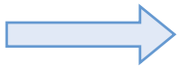
	2	1	4
+	7	3	8
			2

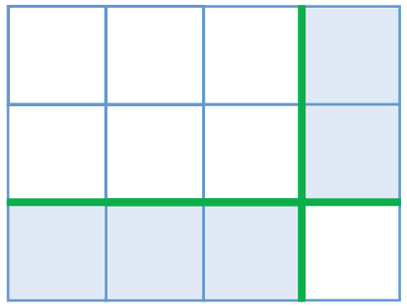


200	10	4	214
			738

2.

	1	0	5
+	5	0	7





3. 123 +321	**4.** 241 +517	**5.** 146 + 32	**6.** 319 +435
7. 428 +537	**8.** 842 + 73	**9.** 408 +337	**10.** 318 +152

NOTE: Your child is practicing addition. Ask your child to add this page number to the next page number and tell you the sum.

11. Which two numbers in the box have a sum of about 400?

127	976
325	438
509	42

_____ and _____

12. Which two numbers in the box have a sum of about 900?

_____ and _____

Write a number sentence to solve each problem.

13. There are 127 children in the first grade and 146 children in the second grade. How many children are in the two grades?

_____ _____ = _____ _____ children

14. Shaun read a book with 213 pages. He read another book with 254 pages. How many pages did Shaun read in both books?

_____ + _____ = _____ _____ pages

Challenge

What is each sum?

15.
$$\begin{array}{r} 132 \\ 127 \\ +\ 203 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 215 \\ 120 \\ +\ 64 \\ \hline \end{array}$$

Chapter 10
Lesson 11

Name _____ Date/Time _____

Subtracting Two- and Three-Digit Numbers

NCTM Standards 1, 2, 6, 9, 10

What is each difference?

1.

	5	6	3
−	4	2	7

→

500	50	13	563

2.

	4	8	7
−	1	2	5

→

3.

	6	4	9
−		8	7

→

4.

	2	3	8
−	1	5	4

→

NOTE: Your child is practicing subtraction. Ask your child to subtract this page number from 480.

What is each difference?

5. 789 − 310 = 479	**6.** 645 − 222	**7.** 593 − 348	**8.** 375 − 59
9. 428 − 163	**10.** 247 − 83	**11.** 708 − 276	**12.** 417 − 352

Write a number sentence to solve each problem.

13. There are 863 children at Parkside Elementary School. There are 124 children in the second grade. How many children are NOT in the second grade?

_____ − _____ = _____ _____ children

14. Loni is reading a book with 257 pages. She has already read 36 pages. How many pages does Loni have left to read?

_____ − _____ = _____ _____ pages

Challenge

What is each missing number?

15.

□
− 352
176

16.

685
− □
243

Chapter 10
Lesson 12

Name _____ Date/Time _____

Practice Adding and Subtracting

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

What is each sum or difference?

1. 573 + 321 = 894	**2.** 605 + 143	**3.** 784 − 412	**4.** 496 − 73
5. 231 + 45	**6.** 591 − 245	**7.** 427 + 316	**8.** 829 − 356
9. 362 + 418	**10.** 605 − 143	**11.** 372 + 45	**12.** 427 − 356

13. Use each of the digits 3, 2, and 5 once.

Make the biggest number. _____

Make the smallest number. _____

Find the sum.

$$\begin{array}{r} \square \\ + \quad \square \\ \hline \square \end{array}$$

Find the difference.

$$\begin{array}{r} \square \\ - \quad \square \\ \hline \square \end{array}$$

NOTE: Your child is practicing addition and subtraction. Read your child's answers to Problems 14 and 15.

14. What is the sum? Describe how you added the numbers.

$$\begin{array}{r} 358 \\ +426 \\ \hline \end{array}$$

15. What is the difference? Describe how you subtracted the numbers.

$$\begin{array}{r} 643 \\ +217 \\ \hline \end{array}$$

Problem Solving

Would you add or subtract to solve the problem? Circle the correct operation.

16. Harry plays soccer for 45 minutes on Sunday and for 90 minutes on Monday. How long does he play soccer in all?

add subtract

17. Lorri buys a notebook for $1.99. She pays the clerk with a $5.00 bill. How much change does she get?

add subtract

Chapter 10
Lesson 13

Name _____ Date/Time _____

Problem Solving Strategy

Solve a Simpler Problem

NCTM Standards 1, 2, 3, 4, 6, 7, 8, 9, 10

Understand
Plan
Solve
Check

1. Maria bought 2 erasers. Each eraser costs 48¢. How much did Maria spend for the erasers? _____¢

How did you find the answer?

2. Gabe goes to the library every 4 days. He went on the 4th day of the year. Will he go to the library on the 365th day of the year? _____

How did you find the answer?

3. Joe delivers 60 newspapers every day. On Sundays he delivers an extra 32 papers. How many newspapers does Joe deliver in one week? _____ newspaper

How did you find the answer?

NOTE: Your child is exploring different ways to solve problems. Sometimes solving a simpler problem is an efficient way to solve a problem.

Problem Solving Test Prep

1. The first three doors in a hallway are numbered 143, 145, and 147. What is the number of the fifth door?

Ⓐ 141

Ⓑ 149

Ⓒ 150

Ⓓ 151

2. The movie ended at 8:40. It was 1 hour and 40 minutes long. What time did the movie start?

Ⓐ 6:00

Ⓑ 7:00

Ⓒ 7:20

Ⓓ 10:20

Show What You Know

3. Carl wants to cut a square into 4 congruent pieces. Name two figures he could make.

_____

_____

_____

Explain how you found the answer.

_____

_____

_____

_____

4. If 2 people share some cookies, they each get an odd number of cookies. If 3 people share the cookies, they each get an even number of cookies. How many cookies could there be?

_____ cookies

Explain how you know.

_____

_____

_____

_____

_____

_____

_____

Name _____ Date/Time _____

Chapter 10

Review/Assessment

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

What number is missing? Lesson 1

1.

$$\begin{array}{r} 85 \\ +\ \square \\ \hline 100 \end{array}$$

2.

$$\begin{array}{r} 51 \\ +\ \square \\ \hline 100 \end{array}$$

What is the value of each collection of coins? Lesson 2

3.

_____¢

4.

_____¢

5. Each sticker costs 6¢. What is missing in the price list? Lesson 3

Price List for Stickers

Number of Stickers	1	2		4		6
Total Cost	6¢		18¢			

6. What is the amount in dollars and cents? Lesson 4

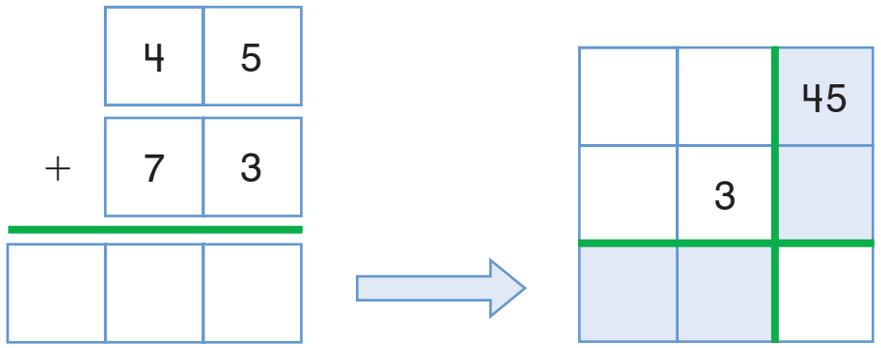
_____

7. What is the sum? Lesson 5

$1.25 + $2.30 $_____

What is missing? Lessons 6, 7, 8

8.



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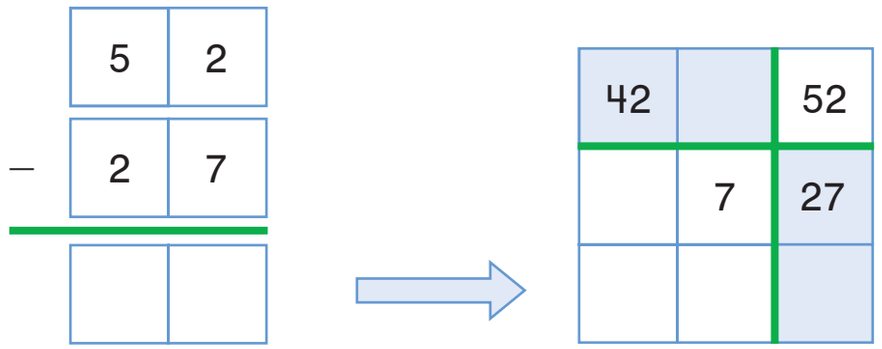

10. 461 = _____00 + _____0 + _____

Find the sum or difference. Lessons 9, 10, 11, 12

11. 239 + 29

12. 560 + 317

13. 756 − 545

14. 900 − 730

Problem Solving Lesson 13

15. Sean gives the cashier $8.00. He gets $6.10 in change. How much does he spend?

$_____