Name	Date/Time

Place Value and Expanded Form NCTM Standards 1, 2, 6, 7, 8, 9, 10

Write the number in expanded form.

	Hundred- thousands place	Ten- thousands place	Thousands place	Hundreds place	Tens place	Ones place
160,572	100,000	60,000	0	500		
2 279,005						
3 56,921						
4 395,066						

Match the number with its description.

5 307,865

My ten-thousands digit is even but is not 0.

6 711,000

My hundreds digit my tens digit, and my tens digit my ones digit.

7 521,804

The sum of my digits is 11.

8 632,790

My ten-thousands digit my thousands digit.

9 13,061

I'm a six-digit number, and my hundredthousands digit is even.

Write a number that matches the description.

- **1** 6,000 200 9
- **1** 40,000 2,000 50 7
- 13 The thousands, hundreds, tens, and ones digits are all odd.
- 1 The hundred-thousands digit the ones digit.
- 15 The ten-thousands digit the ones digit.
- The hundreds digit is half the tens digit.
- The sum of my digits is an even number.
- 18 The ones digit is 3 times the thousands digit.
- The hundred-thousands digit is the sum of the thousands, hundreds, tens, and ones digits.
 - Challenge I'm a two-digit odd number.
 My tens digit is double my ones digit.
 I'm a multiple of 7. I'm not 21.

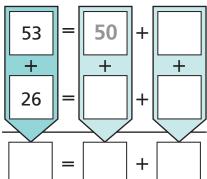
Who am I?

Breaking Up Numbers to Add

Find the sum. Break up the numbers before you add. HINT: You do not have to fill in all the boxes.

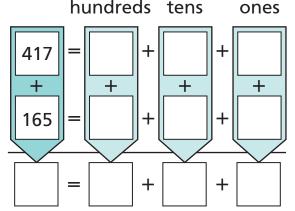
0

tens ones



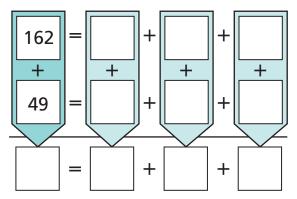
2

hundreds tens



B

hundreds tens ones



Find the sum. If it helps, break up the numbers before you add.

4	125	27		5	15	339	
6	107	209		•	226	394	
8	272	29		9	608	195	

Challenge Make up an addition number story and have someone else solve it. Make an answer key with a complete number sentence that goes with the story.	

Breaking Up Numbers to Subtract

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

Find the difference. Break up the numbers before you subtract.

0



2

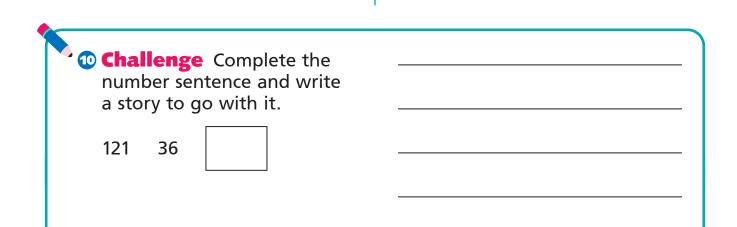
B

	41	1:66
Find	the	difference.

4	167	138		5	423	91	



8	222	87		9	561	79	



Name	Date/Time
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Comparing Addition and Subtraction

Complete the related addition and subtraction sentences. You may start with any number sentence.

0

182
 425

425

1	82
4	25

425

2

_	411
	503

503

503

411

B





295



619 295





The principal made 375 copies of next year's school calender. She put 17 copies in different places around the school. She gave the rest to the teachers to give to their students.

Complete these number sentences:

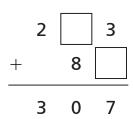
Which sentence tells you how many copies went to the teachers? Explain.

375 17

375 17

Complete the addition puzzles.





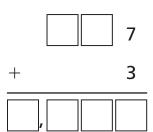
6

0

1	
	•

3 When adding, how do you know if you will need to regroup?





Challenge Make your own addition puzzle.

Addition Shortcuts and Rounding

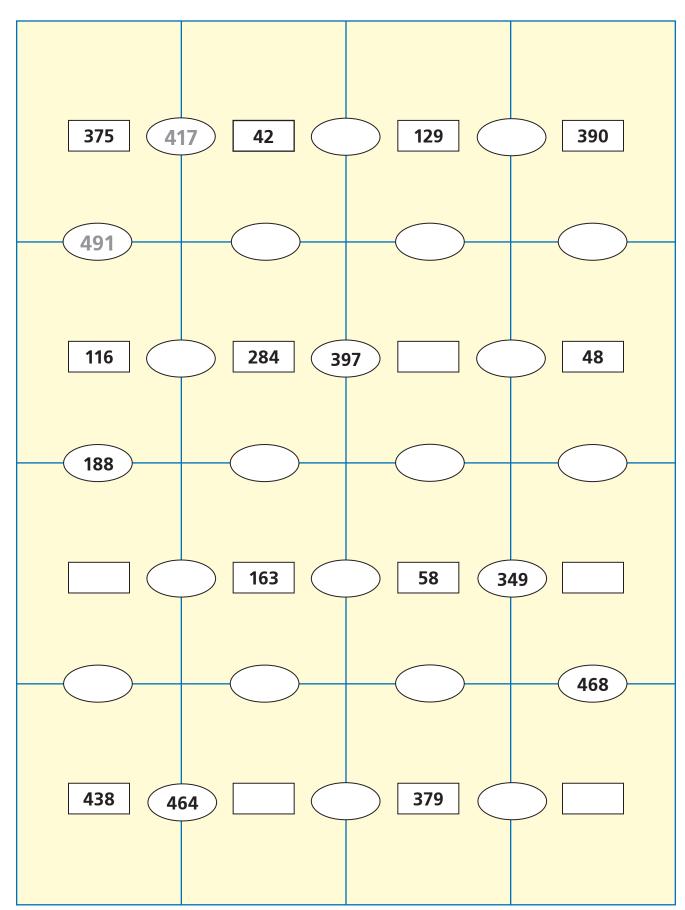
NCTM Standards 1, 2, 6, 7, 9, 10

Complete the addition sentence.

	complete the addition sentence.						
0	3 8 7 5 5 2	2 11 9 7 5 3 1	10 12 14 16 18 20	4 11 3 26 4 13 6			
5	2 3 1 4 1 14	2 3 7 8 4 26	9 1 5 ——————————————————————————————————	12 2 11 6 ——————————————————————————————			
9	17 7 13 3 16 4	13 15 15 15 15 16 14	11 29 74 11 <u>11</u>	118 64 42 118			

13	344
	13
	16

Tomplete the number puzzle.



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Name	Date/Time

Addition and Subtraction Situations

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

County Fair!

1 The snack bar opened with 35 gallons of lemonade. By noon, 18 gallons had been sold, so 20 more gallons were made. Between noon and 4:00, 24 gallons were sold, so an extra 20 gallons were made. After 4:00, another 26 gallons were sold. How much lemonade was left at the end of the day?



2 On Saturday, 479 ride tickets were sold. On Sunday, 298 tickets were sold. How many more tickets were sold on Saturday than on Sunday? If each ticket cost \$2.00, how much more money was collected on Saturday than on Sunday?

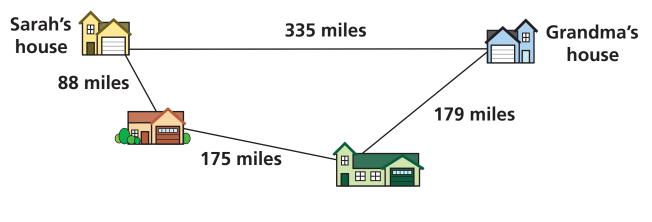


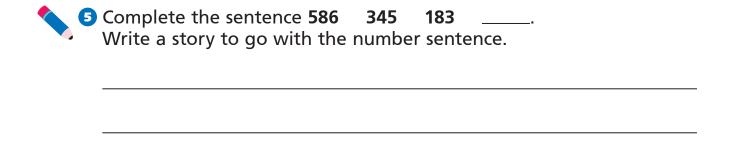
3 On Saturday, 71 tickets were sold for the Ferris wheel, 58 tickets for the roller coaster, and 83 tickets for the teacups. On Sunday, 68 tickets were sold for the Ferris wheel, 63 tickets for the roller coaster, and 75 tickets for the teacups. Altogether, were more tickets sold on Saturday or on Sunday? How many more?



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4 Sarah drove 335 miles from her house to her grandma's house. On the way back, she drove 179 miles to her cousin's house, 175 miles to her friend's house, and 88 miles from her friend's house back home. In total, how many more miles did she drive on the way back from her grandma's house than on the way there?





G Challenge Josie bought a 12-foot by 15-foot piece of carpet for her living room. She needs to cut a 5-foot by 9-foot piece of carpet to make room for the stairs. How many square feet of carpet will she actually use for her living room?

Name	Date/Time
Name	Date/ Hille

Problem Solving Strategy

Solve a Simpler Problem NCTM Standards 1, 2, 6, 7, 8, 9, 10



1 In January, Sam earned \$123 and spent \$92. In February, he earned \$92 and spent \$70. In March, he earned \$181 and spent \$121. In April, he earned \$127 and spent \$111. How much money does Sam have now?

2 Ms. Lopez has 14 large boxes of pencils and 14 small boxes of pencils. There are 17 pencils in each large box and 3 pencils in each small box. How many pencils does she have?

____ pencils

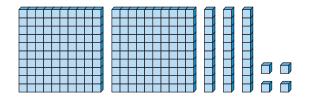
3 Which digit is used least often in the numbers 1 through 100? Explain how you know.

4 Which digit is used most often in the numbers 1 through 100? Explain how you know.

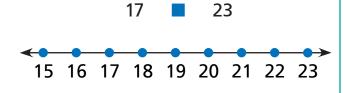
Problem Solving Test Prep

Choose the correct answer.

1 What is the product if the number shown below is multiplied by 3?



- **A.** 702
- **C.** 468
- **B.** 602
- **D.** 234
- 2 Use the number line to find the missing addend.



- **A**. 3
- **C.** 5
- **B**. 4
- **D**. 6

3 What is the value of the 6 in this number?

26,905

- **A.** 60
- **B**. 600
- **C.** 6,000
- **D.** 60,000
- 4 A town map has horizontal and vertical streets. Each horizontal street intersects with each vertical street. There are 15 intersections. How many horizontal streets could there be?
 - **A.** 3
 - B. 4
 - **C.** 6
 - **D.** 10

Show What You Know

Solve the problem. Explain your answer.

5 The table shows how many buttons the third-grade classes collected. Which two classes collected exactly 1,517 buttons?

Class	Buttons		
Room 201	833		
Room 203	764		
Room 207	684		
Room 209	763		

Name	Date/Time

Chapter 14 Review/Assessment

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

1 have 0	hundreds.	Lesson 1
I have 5	tens.	
I have 8	thousands.	
I have 3	ones.	
I have 0	ten thousar	nds.

What number am I?

2 Write a number in each box.			
2033011 1	I am 685.		
I have	ones.		
I have	hundreds.		
I have	tens.		
I have	thousands.		

Write the number in expanded form. Lesson 1

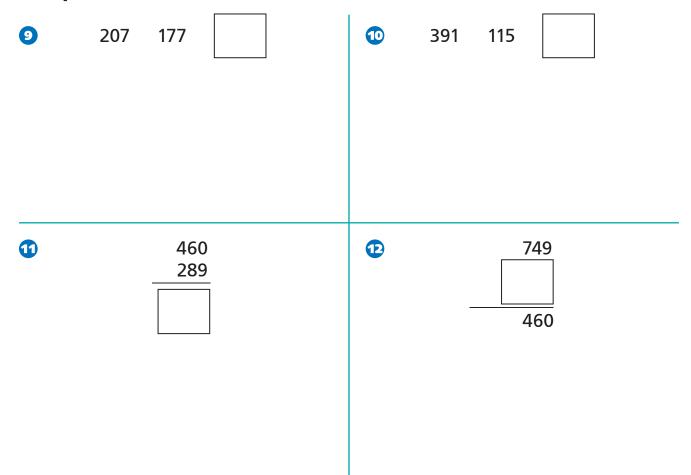
		Hundred- thousands place	Ten- thousands place	Thousands place	Hundreds place	Tens place	Ones place
3	50,186						
4	7,322						
5	463						
6 4	109,251						

Find the sum or difference. Lessons 2 and 3

26 55

8 83 38

Complete the number sentence. Lesson 4



13 There are 144 tiles on the bathroom floor. There are 49 green tiles, 25 white tiles, and the rest of the tiles are blue. How many tiles are blue? Lesson 6

____ tiles

Jeremy has \$6.80. He spends \$1.15 for a granola bar and \$2.49 for a salad. How much money does Jeremy have left? Lesson 7

\$____