N	a	m	_
- 1 \	a		∺

Grouping by Tens

NCTM Standards 1, 6, 7, 8, 10

Write the number that matches each collection of base-ten blocks. Compare the collections using or





63





Date/Time ____

















1,307







Compare the numbers using

125



152

625



6

	402
--	-----

987



1,142

8 4,315



4,135

526

9 3,623



3,632

1,633



6,133





2,623

1 6,135

_	_
(

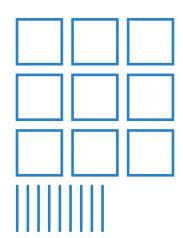
6,136

13 List the numbers in order from least to greatest.

2,515	5,512	1,255	5,251	5,521	2,551

Explain how you decided on the order of the numbers in Problem 13.

Challenge Write the number shown by this collection of blocks.

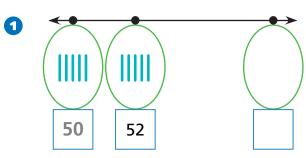


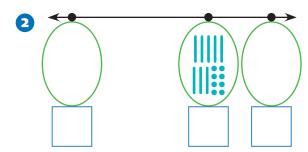
Challenge Represent the number again using the fewest blocks.

Rounding to the Nearest Ten or **Hundred**

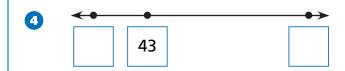
NCTM Standards 1, 6, 7, 10

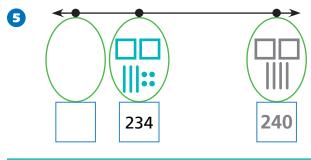
Label the multiples of 10 that surround each number. Circle the nearest multiple of 10.

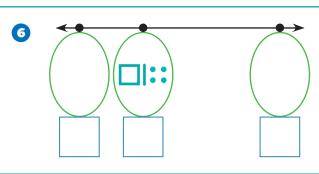


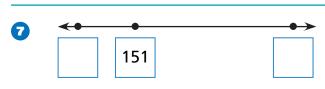






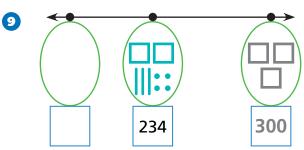


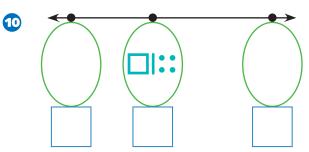




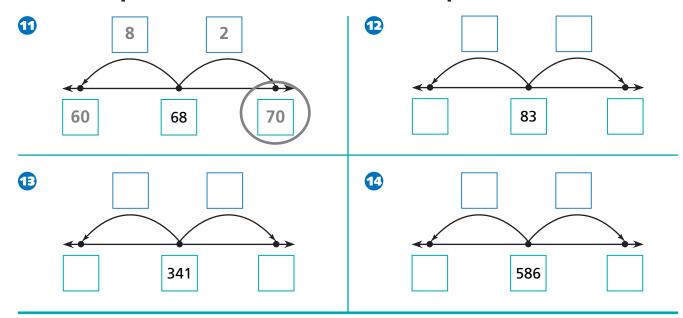


Label the multiples of 100 that surround each number. Circle the nearest multiple of 100.

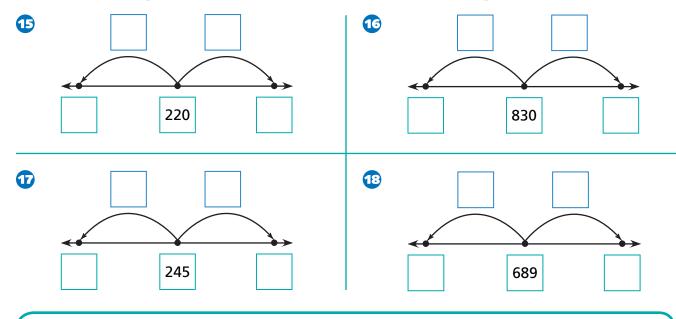




Label the multiples of 10 that surround each number. In the boxes above the number lines, write the distance from the number to each multiple of 10. Circle the nearest multiple of 10.



Label the multiples of 100 that surround each number. In the boxes above the number lines, write the distance from the number to each multiple of 100. Circle the nearest multiple of 100.



Challenge Round each number to the nearest ten.

67

6,789

M	Data /T'
Name	Date/Time

Finding Differences on the Number Line

NCTM Standards 1, 2, 7, 8, 10

For each subtraction sentence, draw jumps on the number line to help you find the difference.

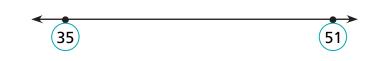




35 19



2



51 35



B



51 19



4



62 24



6



100 62

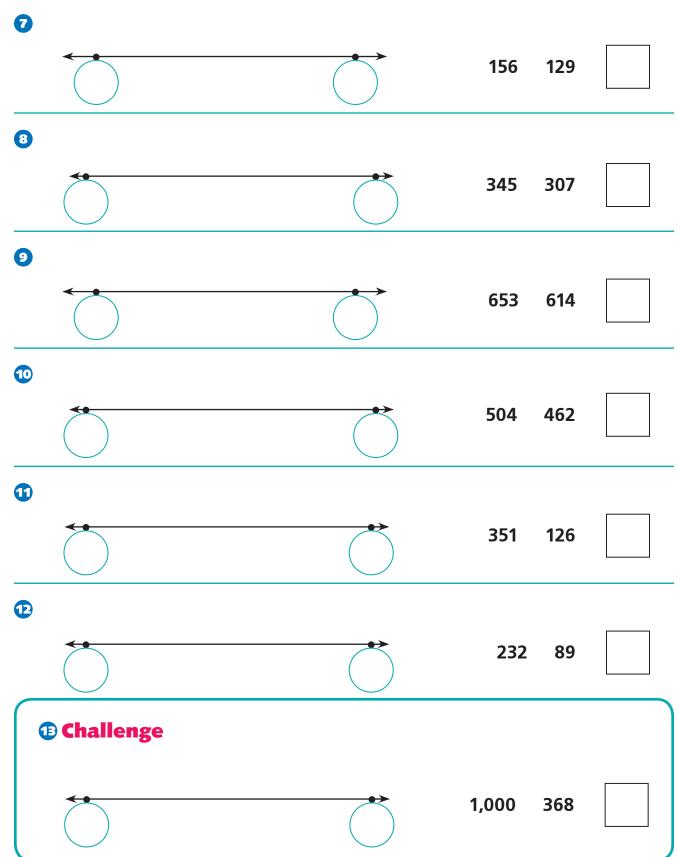




6 Choose one of the problems above. Explain how you selected your stopping points.

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For each subtraction sentence, draw jumps on the number line to help you find the difference.



Lesson 4

Using Tens and Hundreds to Estimate Sums

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

Circle the correct sentence.

- The sum is in the thirties. The sum is in the forties. 2 22 The sum is in the twenties. The sum is in the thirties. 9 8 14 53 The sum is in the sixties. The sum is in the seventies. The sum is in the eighties. The sum is in the nineties. 67 25
- 5 39 38 The sum is in the sixties. The sum is in the seventies.

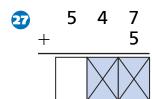
Write only the tens digit for each sum.

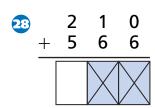
Circle the correct sentence.

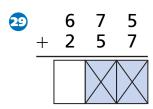
The sum is in the 700s. The sum is in the 800s. **21** 329 418 **22** 162 152 The sum is in the 200s. The sum is in the 300s. The sum is in the 800s. The sum is in the 900s. **23** 571 335 The sum is in the 600s. **425** 258 The sum is in the 700s. **25** 361 The sum is in the 400s. The sum is in the 500s. 195

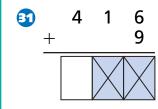
Write only the hundreds digit for each sum.











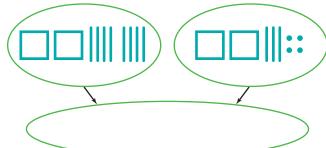
Challenge If you only want to know the hundreds digit of a sum, would you ever need to look at the ones digits in the problem? Explain.

Estimate and Adjust to

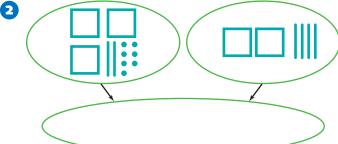
NCTM Standards 1, 2, 6, 7, 8, 9, 10

Show each sum with the fewest blocks. Then complete the number sentence.

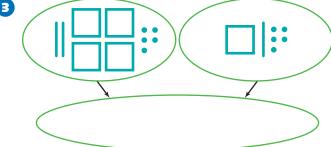












31 **XCIII** ninety-three **93**



4 How did drawing the picture in Problem 3 help you to complete the number sentence?

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Write only the hundreds digit for each sum.

Write only the tens digit for each sum.

Write only the ones digit for each sum.

5

6

0

Find the sum.

11 Challenge Find the missing addend.

Using Cross Number Puzzles to Add

NCTM Standards 1, 2, 6, 9, 10

Complete each Cross Number Puzzle and number sentence. The blocks in the bottom row of the puzzle may not always be the fewest blocks to match the total sum. You many want to draw another picture that shows fewest blocks.

0	- 1	numbers
	Ш	29
	III	37

2	1	numbers
		409
	Ш	128

3	I	numbers
		162
	IIII	345

4		numbers
		236
		285

Complete each Cross Number Puzzle.

5

700	80	5	
100	60	9	

(

200	70	3	
500	30	7	

0

600	60	7	
100	60	5	

8

300	40	5	
200	50	7	

9

100	20		128
100		6	186

10

	40	9	349
200		7	277

11 Challenge

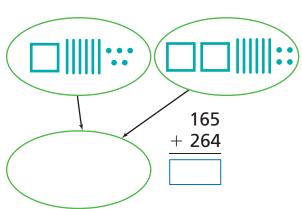
	80	3	683
300	10		317

Using a Common Addition Algorithm

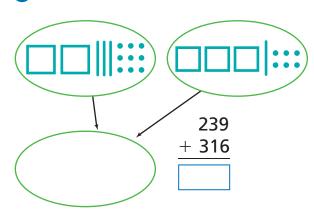
NCTM Standards 1, 2, 6, 9, 10

Show the sum using fewest blocks and complete the number sentence.

0



2



Complete the Cross Number Puzzle and the number sentence.

3

300	80		387
	0	9	409

4

600		2	642
	90	4	294

Find the sum.

6

6

0

Find the sum.



Solve.

In Lanh's school there are 367 girls and 349 boys. How many students go to Lanh's school?

students

12 It took two days to drive to grandma's house. On the first day, we drove 446 miles. On the second day, we drove 395 miles. How far is it to grandma's?

____ miles

Challenge Akiko and Hiroshi were collecting pennies for the animal shelter. Hiroshi collected 234 pennies. Akiko collected twice as many pennies as Hiroshi. How much did they collect?

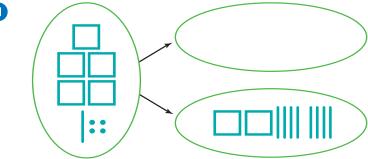
_____ pennies

Estimate and Adjust to Find Differences

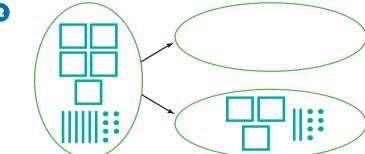
NCTM Standards 1, 2, 6, 7, 8, 9, 10

Show each difference. Then complete the number sentence.

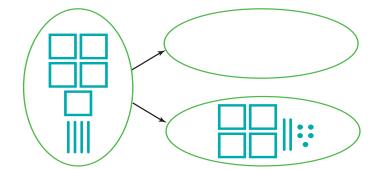
0



2



3



	540
_	425



4 Did you make any exchanges to solve Problem 2? Explain.

Write only the hundreds digit for each difference.

5

Write only the tens digit for each difference.

Write only the ones digit for each difference.

6

6 8 2 5 2 4

0

5 3 1 8 6

Find the difference.

8

10

11 Challenge Find the missing number.

Using Cross Number Puzzles to **Subtract**

NCTM Standards 1, 2, 6, 9, 10

Complete each Cross Number Puzzle and number sentence. You will not always be able to use the fewest blocks in the top row of the puzzle.

1		numbers
		66
	III	37

2	1	numbers
		532
	II	128

3			numbers
			507
	- PP	IIII	345

4	1	number	
			526
			284

Complete each Cross Number Puzzle.

	140	14	954
100 60		9	169

700		10	810
200	70	3	273

			832
600	60	7	667

			602
200	50	7	257

			314
100	20	6	126

			626
200	70	7	277

11 Challenge

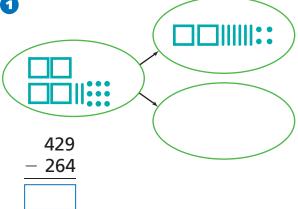
			1,000
300	10	7	317

Lesson 10 Using a Common Subtraction **Algorithm**

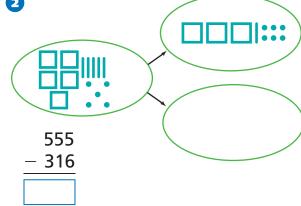
NCTM Standards 1, 2, 6, 7, 8, 9, 10

Show the difference using base-ten blocks. Then complete the number sentence.





2



Complete the Cross Number Puzzle and the number sentence.

B

			796
300	80	7	387

4

			026
			936
200	90	4	294

Find the difference.

6

6

Ø

Find the difference.



9

10

Solve.

11 There were 716 books sold at the fair. There were 349 hardbacks sold. The rest were paperbacks. How many paperbacks were sold?

_____ paperbacks



Write your own subtraction word problem.
Write a number sentence to solve the problem.

(13) Challenge Sally Ride Elementary School had 702 students. 328 of them brought lunch from home, and the rest bought lunch at school. Of the students who bought school lunch, 98 chose pizza and the rest chose tacos. How many students chose tacos?

_____ students

Name			
VALUE			

Problem Solving StrategySolve a Simpler Problem

Understand
Plan
Solve
Check

Date/Time .

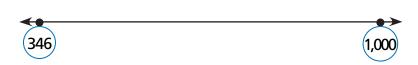
NCTM Standards 1, 2, 6, 7, 8, 9, 10

1 The Pickle Factory workers pack 100 jars of pickles in every box. If Jo packed 473 jars of pickles before lunch and 658 jars after lunch, how many full boxes did she make?

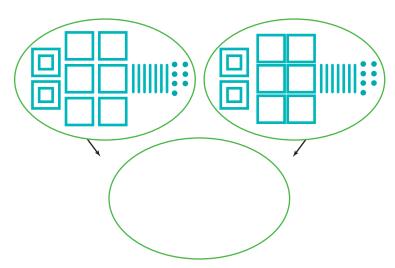
____ boxes

2 Rod used small jumps on the number line to find the difference. What jumps might Rod have made?

1,000 346



Misha made the sum with fewest blocks. How many rods are in the sum?



____ rods

Problem Solving Test Prep

Choose the correct answer.

- 1 Which is the only number that is to the right of 593 on a number line?
 - **A.** 490
 - **B.** 500
 - **C**. 590
 - **D.** 600
- 2 Ariela buys 3 stickers for 7¢ each. She has 10¢ left. What is the fewest number of coins she could have had before she bought the stickers?
 - **A.** 3
- **C**. 5
- **B**. 4
- **D**. 7

- 3 Jasmine is rounding numbers to the nearest hundred. Which is the largest number that she can round to 800?
 - **A.** 851
- **C.** 750
- **B.** 849
- **D.** 749
- 4 Eric pays for a snack with coins. The amount he pays rounds to the same number when rounded to the nearest dime or the nearest dollar. Which is an amount he could pay?
 - **A.** 90¢
- **C.** 94¢
- **B.** 92¢
- **D.** 96¢

Show What You Know

Solve each problem. Explain your answer.

5 Suki has more markers than Jake and fewer than Chelsea. Jake has 107 markers, and Chelsea has 118 markers. What is the largest number Suki can have? Explain.

Hamber Jaki can Have. Explain.

6 Harris has these base-ten blocks.

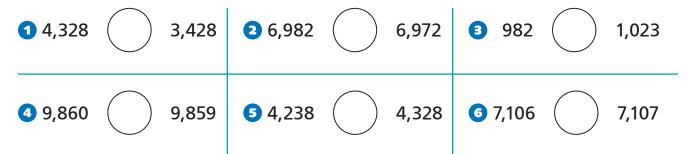


He wants to model subtracting 114 from the number shown. In which place or places will he have to regroup? Explain.

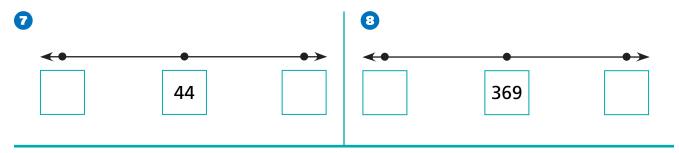


ew/Assessment

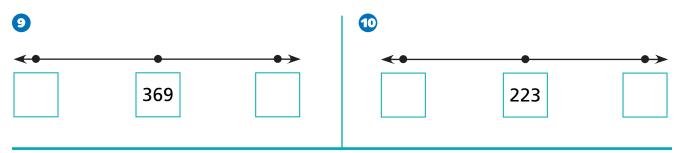
Compare the numbers using Lesson 1



Label the multiples of 10 that surround each number. Circle the nearest multiple of 10. Lesson 2



Label the multiples of 100 that surround each number. Circle the nearest multiple of 100. Lesson 2



For the subtraction sentence, draw jumps on the number line to help you find the difference. Lesson 3



Write only the hundreds digit for each sum or difference.

Write only the tens digit for each sum or difference.

Write only the ones digit for each sum or difference.

Lessons 4, 5

B

Find the sum or difference. Lessons 7, 10

14

Œ

16

Solve. Lesson 11

- TDarin collected 132 cans for the school recycling drive. Martin collected 178 cans. Estimate to the nearest hundred the total number of cans the boys collected for the school recycling drive.
- 18 Chi used a pedometer to count her steps. By 9:00 A.M., she had taken 683 steps. At 10:00 A.M., her new total was 946 steps. How many steps did Chi take between 9:00 A.M. and 10:00 A.M.?