

Name Key

4th Grade Homework - Week 2

3.2

Mrs. Parlow gives her class clues about a 5-digit mystery number.

- ✓ The 3 is in a place that is 100 times greater than the place of the 4.
- ✓ The 2 is in a place that is 10 times less than the place of the 3.
- ✓ The 8 is in a place that is 10 times less than the place of the 4.
- ✓ The 7 is in a place that is 100 times greater than the 2.

What is Mrs. Parlow's 5-digit mystery number?

73,248

Write the expanded form for the number below.

HTh	TTh	Th	H	T	O
2	7	1	8	8	4

$200,000 + 70,000 + 1,000 + 800 + 80 + 4$

Brody says that all of the digits in the number 333 have the same value. Is he correct? Why or why not?

Brody is incorrect because the first 3 is worth 300, the second 3 is worth 30, and the third 3 is worth 3.

(sample)

Ten tens are equal to $10 \times 10 = 100$

Ten hundreds are equal to $10 \times 100 = 1,000$

Ten thousands are equal to $10 \times 1,000 = 10,000$

Ten ten thousands are equal to $10 \times 10,000 = 100,000$

100 is 10 times as much as 10.

4,000 is ten times as much as 400.

3,000,000 is ten times as much as 300,000.

In the number 7889, which places contain digits where one digit is ten times the value as the other digit?

The 8 in the hundreds place is ten times the 8 in the tens place.

How many 100s are there in 1,000?

Write to explain. There are 10 hundreds in 1,000 because 10×100 is 1,000.

(Sample answer)

Decrease 964,763 by 1,000. $-1,000$
963,763

Increase 14,247 by 10,000. $+10,000$
24,247

Decrease 563,890 by 100,000. $-100,000$
463,890

Monday

4NBT1
4NBT2

3.3, 3.4

Use the table below to answer the questions.

Populations	
Atlanta	472,522
Douglas	11,727
Macon	91,351
Savannah	146,763
Valdosta	56,474

Which city has the greatest population?

Atlanta

Which city has the smallest population?

Douglas

Which population is greater, Douglas or Macon?

Macon

Compare the numbers using <, >, or =.

1273 < 1,023

67,389 < 76,389

129,985 = 129,985

983,359 < 983,360

4,670,348 > 4,670,148

What place would you use to compare the numbers below?

45,678 45,678 45,647
hundreds

Write the numbers in order from least to greatest.

45,447

45,678

45,778

Write the following numbers in order from least to greatest.

466,738

469,459

465,882

465,882

466,738

469,459

Circle the digit that is the same value in all of the numbers below.

466,738

1,202,459

62882

What is the place of the digit?

thousands

How many times greater is the value of the 5 in 3,590 than the value of the 5 in 359?

Write to explain. The 5 in 3,590 is 10 times greater than the 5 in 359.

Katelyn helped deliver canned goods to the local shelter. Last week, she delivered 5 boxes with 100 cans each, 2 crates with 1,000 cans each, and 4 bags with 10 cans each. How many cans did she deliver last week?

2,540

Tuesday

4NBT1
4NBT2

35

Complete the table below:

Original Number	Rounded to the Hundreds Place	Rounded to the Thousands Place
145,905	145,900	146,000
567,841	567,800	568,000
Sample 351,829	351,800	352,000
Sample 41,199	41,200	41,000

Circle the numbers below that would round to 140,000 when rounded to the nearest ten thousand.

- 143,500
- 148,930
- 141,270
- 145,000

Arrange the digits 6, 3, 9, 3, and 4 to create the lowest possible five-digit number.

3 3 4 6 9

Arrange the digits 6, 3, 9, 3, and 4 to create the highest possible five-digit number.

9 6 4 3 3

Arrange the digits 4, 3, 8, 5, 2, 6, and 8 to create the lowest possible seven-digit number.

1 2 3 4 6 8 8

Wednesday

Write the expanded form for the number below.

HTh	TTh	Th	H	T	O
2	6	4	3	2	

20,000 + 6,000 + 400 + 30 + 2

Multiply to find each product.

- $7 \times 10 = 70$
- $70 \times 10 = 700$
- $700 \times 10 = 7,000$
- $7,000 \times 10 = 70,000$
- $70,000 \times 10 = 700,000$
- $700,000 \times 10 = 7,000,000$

What is the greatest number that rounds up or down to 900 when rounded to the nearest hundred?

949

4NBT1
4NBT2
4NBT3

Thursday

Chelsea has written an eight-digit number. The only difference between Chelsea's number and the number sixty-one million, three hundred forty-five thousand, two hundred seventeen is that her number is larger by 3 digits in the ten thousands place. How is Chelsea's number written in standard form? 61,345,217

61,375,217

When rounding to the nearest ten, what is the greatest whole number that rounds to 7,670?

7,674

Circle the inequalities that are false.

- $43,500 < 146,890$ ✓
- $3,468 > 3,467$ ✓
- $89,345 < 89,784$ ✓
- $7,456 < 7,546$ ✓
- $14,345 > 13,245$ ✓

The value of the digit 7 in 64,713 is 10 times the value of the digit 7 in 375. ($700 = 10 \times 7$)
The value of the digit 3 in 375 is 100 times the value of the digit 3 in 64,713. ($300 = 100 \times 3$)

This question has three parts A-C.

A clothing store mailed its customers coupons. It sent 4,509 coupons last month and 4,905 coupons this month.

Part A

Write an inequality using $<$, $>$, or $=$ to compare the two amounts.

$4,509 < 4,905$

Part B

Explain how you used the digits to determine the answer.

I know 4,509 is less than 4,905 because there is a 5 in the hundreds place in 4,509 and a 9 in the hundreds place in 4,905

*(Sample)

Part C

If the company plans on mailing out 5,000 coupons next month, how many more coupons will they need to mail than they mailed this month?

95

Show your work!
 $5,000 - 4,905 = 095$ more coupons this month

4NBT1
4NBT2
4NBT3