Math Virtual Learning

4th Grade Number Sense

April 08, 2020

4th Grade Math
Lesson: April 8, 2020

Learning Targets:
Students will understand how a digit's position changes its value.

Background: This is a review lesson from 4th Grade

- Read and write a number in word form and standard form.
- Compose and decompose numbers using expanded form
- Compare numbers using place value and symbols.

Warm Up:

- How many ways can you write/show the number: 5,743?
- Did you use expanded form? How did you show the number?
- Look at these two numbers: 5,743 and 5,043. What do you notice?

Let's Get Started:

Watch Videos:

1. Standard Form to Word and Expanded Forms

2. Comparing Whole Numbers

Practice #1:
What digit is in the ten thousands place?

Think back to the video.

- Read the number, out loud to yourself.

- Think about the value as you read.

3,456,789

Does your answer make sense?

Practice #1: Answer
What digit is in the ten thousands place?

3,456,789

Think back to the video.

- Read the number, out loud to yourself.
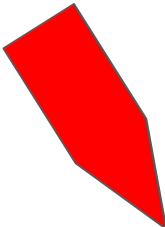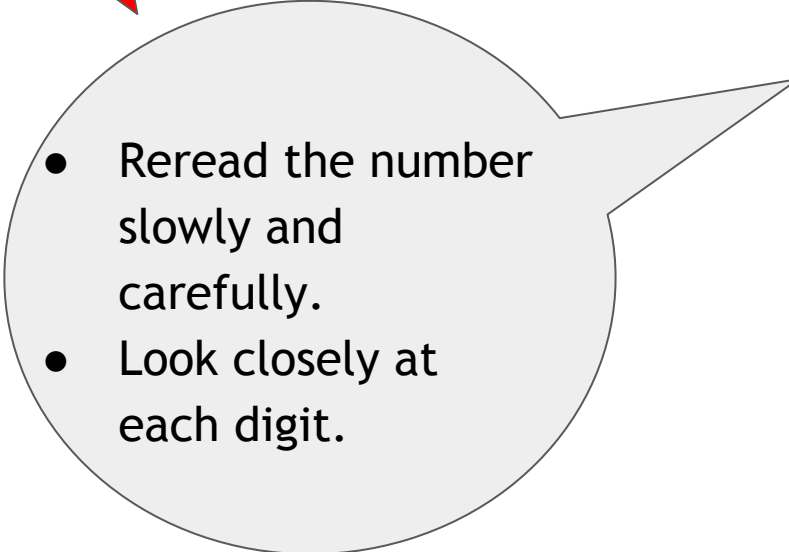
- Think about the value as you read.

Does your answer make sense?

Place Value Chart

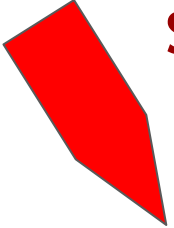| Millions			Thousands			Ones		
Hundred million	Ten million	One million	Hundred thousand	Ten thousand	One thousand	Hundreds	Tens	Ones
1	2	3,	4	5	6,	7	8	9

Practice #2:

What is one million, three hundred forty six thousand, seven hundred and twenty nine, written in standard form?

- Reread the number slowly and carefully.
- Look closely at each digit.

A. 1,345,729

B. 1,346,729

C. 1,346,739

D. 1,344,739

Practice #2: Answer

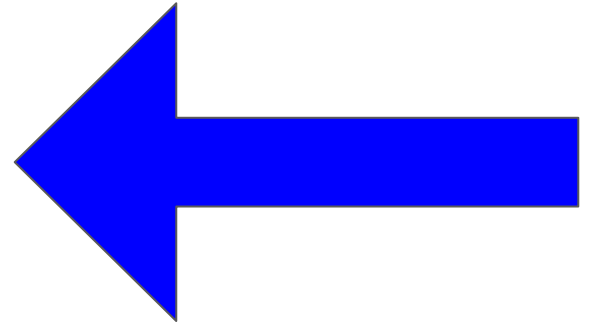One million, three hundred forty six thousand, seven hundred and twenty nine, written in standard form.

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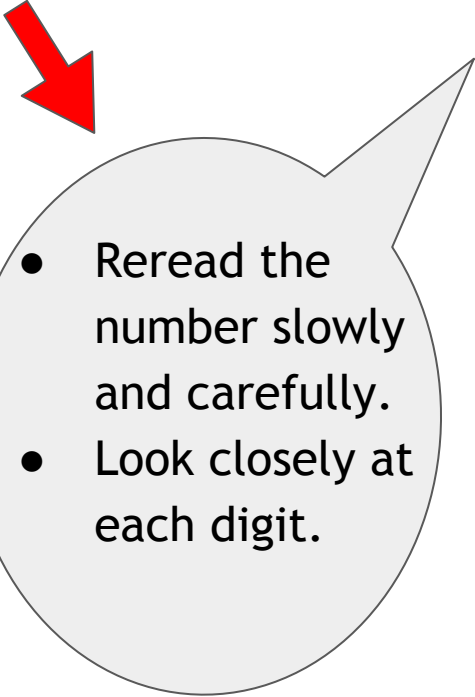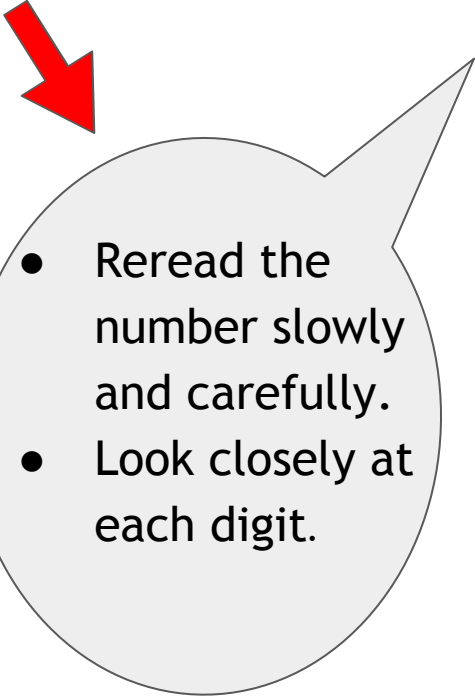
Practice #3:

Which answer is 268,079 in expanded form?

Reread the number slowly and carefully.
Look closely at each digit.

A. 200,000 + 60,000 + 8,000 + 100 + 70 + 9

B. 200,000 + 60,000 + 8,000 + 200 + 70 + 9

C. 200,000 + 60,000 + 8,000 + 70 +9

D. 200,000 + 60,000 + 8,000 + 79

Practice #3:Answer

The number 268,079 in expanded form.

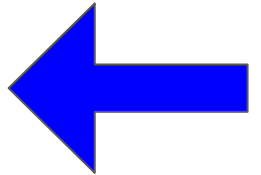A. 200,000 + 60,000 + 8,000 + 100 + 70 + 9

B. 200,000 + 60,000 + 8,000 + 200 + 70 + 9

C. 200,000 + 60,000 + 8,000 + 70 +9

D. 200,000 + 60,000 + 8,000 + 79

- Reread the number slowly and carefully.
- Look closely at each digit.

Practice #4:

Read the word problem carefully. Identify the important information. What is the word problem asking for? Think carefully through our steps to solve word problems. Remember to put your answer in a sentence.

- Reread each number slowly and carefully.
- Look closely at each digit.
- Start at the largest place value first, then compare each digit.

Florida's area is 65,758 square miles and

Wisconsin's area is 65,496 square miles.
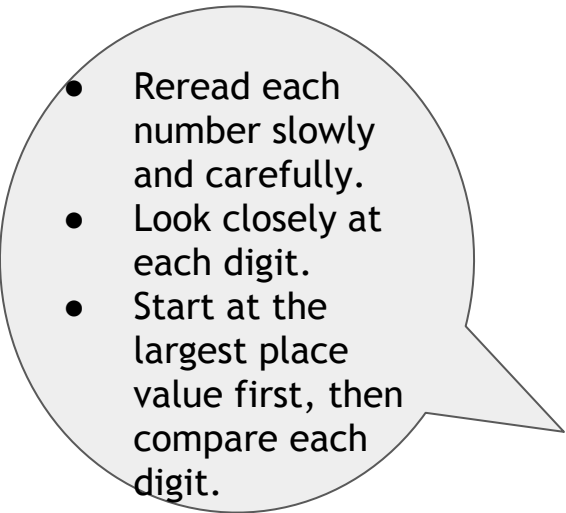
Which state is bigger?

_____.

Practice #4: Answer

Read the word problem carefully. Identify the important information. What is the word problem asking for? Think carefully through our steps to solve word problems. Remember to put your answer in a sentence.

- Reread each number slowly and carefully.
- Look closely at each digit.
- Start at the largest place value first, then compare each digit.

Florida's area is 65,758 square miles and Wisconsin's area is 65,496 square miles. Which state is bigger? Explain your answer.

Florida is the bigger state. If you compare the value of each digit you see that in the hundreds place there is a difference in values. 7 is bigger than 4; therefore, Florida's area is bigger than Wisconsin's.

Practice on your own:
Go to this website:
Khan Academy   Click the link

1. Practice: Write numbers in word/written form.
2. Read the number, written in numerals.
3. Choose the correct word form: A, B or C.
4. After choosing your answer click "Check."
5. If your answer is incorrect you will be asked to give it another shot. If your answer is correct you can click "next question".

MORE Practice on your own:
Go to this website:
Khan Academy Click the link

1. Practice: Write whole numbers in expanded form.
2. Read the number, written in numerals.
3. Choose your answer: A, B or C, insert, or click and drag.
4. After choosing your answer click "Check."
5. If your answer is incorrect you will be asked to give it another shot. If your answer is correct you can click "next question".

MORE Practice on your own:
Go to this website:
Khan Academy Click the link

1. Practice: Compare multi-digit numbers.
2. Read the number, written in numerals.
3. Choose your answer: A, B or C, insert, or click and drag.
4. After choosing your answer click "Check."
5. If your answer is incorrect you will be asked to give it another shot. If your answer is correct you can click "next question".

Khan Academy

Practice: Complete this page in your packet.

PLACE VALUE TO 1 MILLION SHEET 1

1) Write the place value of the underlined digit under each of the numbers.

27,5_0_2	_7_1,918	13_2_,825	7_4_9,327	28,1_7_6
500				

5_1_3,295	_8_34,247	3_6_,429	62_5_,231	_9_17,438

2) Write these numbers in expanded form.

13,459   =   10,000 + 3,000 + 400 + 50 + 9
35,916   =
132,756   =
849,018   =

3) Write these numbers in standard form.

10,000 + 3,000 + 500 + 80 + 2   =   13,582

80,000 + 7,000 + 600 + 90 + 5   =

100,000 + 40,000 + 9,000 + 400 + 50 + 3   =
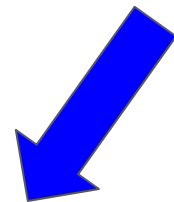
200,000 + 60,000 + 800 + 70 + 4   =

600,000 + 9,000 + 400 + 90   =

4) Fill in the missing parts in these numbers

27,582   =   _____ thousands   _____ hundreds   _____ tens   _____ ones

38,214   =   _____ thousands   _____ hundreds   _____ tens   _____ ones

135,634 =   _____ thousands   _____ hundreds   _____ tens   _____ ones

Click here to open worksheet Place Value.

Self Check:

1. Was this lesson?
   - ❏ easy 😆
   - ❏ just right 🙂
   - ❏ hard 😎

2. Go share your answers with someone in your home.