Math Virtual Learning

4th Grade Number Sense

April 09, 2020

4th Grade Math
Lesson: April 9, 2020

Learning Targets:
Students will understand how a digit's position changes its value.
Students will compare numbers using place value and symbols <, >, or =.

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: 236,584?
- Did you use expanded form? How did you show the number?
- Look at these two numbers: 55,782 and 55,783. What do you notice? Can you compare them? Which number is larger? Smaller?

Let's Get Started:

Watch Videos:

1. Writing a number in expanded form

2. Comparing numbers: Place Value

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

- Read the number, out loud to yourself.

- Think about the value as you read.

1,289,879

Does your answer make sense?

Practice #1: Answer

What digit is in the hundred thousands place?

3,456,789

Does your answer make sense?

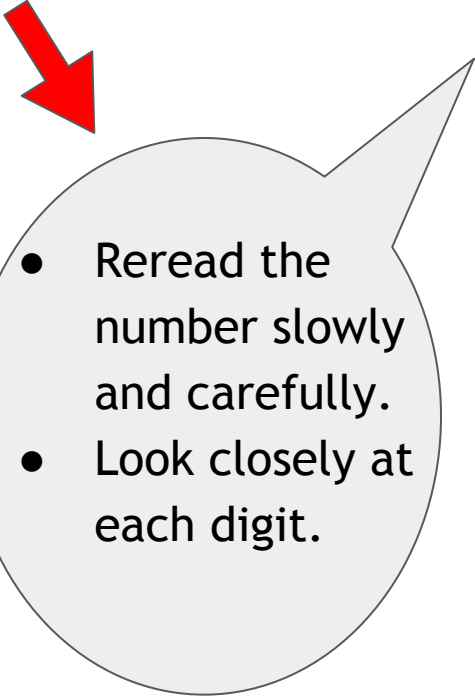- Read the number, out loud to yourself.
- Think about the value as you read.

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:

Which answer is 841,442 in expanded form?

Reread the number slowly and carefully.

Look closely at each digit.

A. 800,000 + 40,000 + 1,000 + 400 + 50 +29

B. 800,000 + 40,000 + 1,000 + 400 + 40 + 2

C. 800,000 + 40,000 + 1,000 + 40 +2
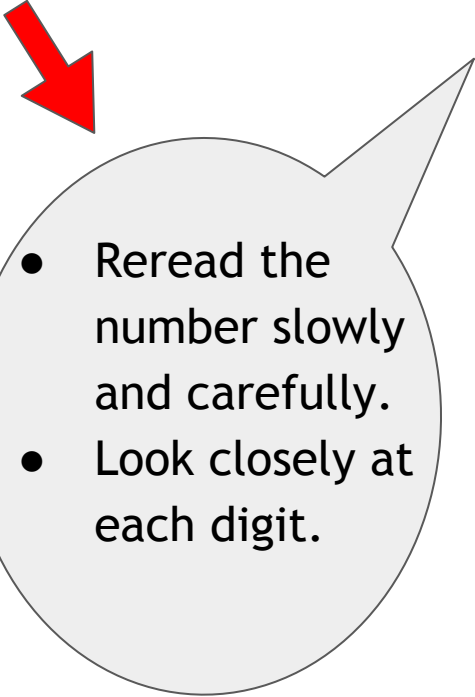
D. 800,000 + 40,000 + 1,000 + 42

Practice #2: Answer

The number 841,442 in expanded form.

A. 800,000 + 40,000 + 1,000 + 400 + 50 +29

B. 800,000 + 40,000 + 1,000 + 400 + 40 + 2

C. 800,000 + 40,000 + 1,000 + 40 +2

D. 800,000 + 40,000 + 1,000 + 42

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

Practice #3:

Compare the following numbers. Which one is in order from least to greatest?

A. (800 + 3) (813) (Eight hundred four)

B. (Five hundred two) (500 + 20 + 3) (520)

C. (912) (900 + 20 + 2) (Nine hundred twenty five)

D. (700 + 40 + 3) (Seven hundred forty four) (742)

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

Practice #3: Answer

Compare the following numbers. Which one is in order from least to greatest?

A. (800 + 3) (813) (Eight hundred four)

B. (Five hundred two) (500 + 20 + 3) (520)

C. (912) (900 + 20 + 2) (Nine hundred twenty five)

D. (700 + 40 + 3) (Seven hundred forty four) (742)

- 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.

There are 622 swimmers and 424 spectators at the swim meet. How many more swimmers are there than spectators? If 189 spectators left the swim meet, how many stayed till the end?

- Reread the problem.
- What are the question(s) asking you?
- Does your answer(s) make sense?

_____.
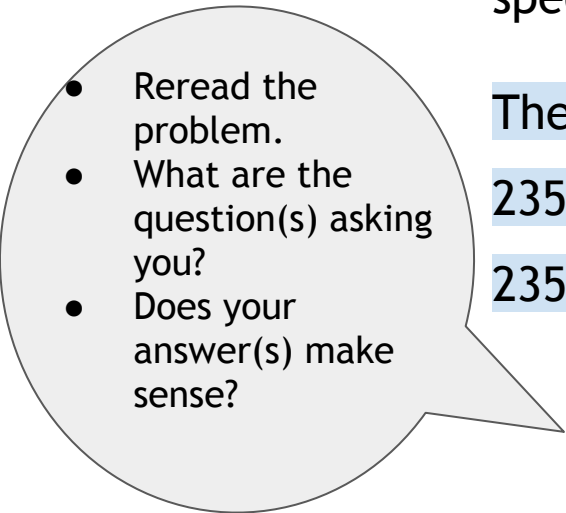
_____.

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.

There are 622 swimmers and 424 spectators at the swim meet. How many more swimmers are there than spectators? If 189 spectators left the swim meet, how many stayed till the end?

There are 198 more swimmers than spectators. (622 - 424 = 198)

235 spectators stayed till the end of the swim meet. (424 - 189 = 235)

- Reread the problem.
- What are the question(s) asking you?
- Does your answer(s) make sense?

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

1. Practice: Identify the value of a digit.

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".

Khan Academy

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

Click the link

1. Practice: Creating the largest or smallest number.
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

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

1. Practice: Compare numbers: place value challenge.
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".

Practice: Complete this page in your packet.

Name   Date

ORDERING NUMBERS TO 5 DIGITS SHEET 1

Order these lists of numbers from smallest to largest.

A) 27141   16978   42763   9627

_____ smallest   _____   _____   _____ largest

B) 68275   82013   7962   10524

_____ smallest   _____   _____   _____ largest

C) 32764   8516   10928   31905

_____ smallest   _____   _____   _____ largest

D) 82761   51328   17828   51982

_____ smallest   _____   _____   _____ largest

E) 67253   81020   42736   6526   10122

_____ smallest   _____   _____   _____   _____ largest

F) 47210   38142   62634   42195   32597

_____ smallest   _____   _____   _____   _____ largest

G) 27612   9805   53005   7925   10527

_____ smallest   _____   _____   _____   _____ largest

H) 76261   28943   35264   22856   29040

_____ smallest   _____   _____   _____   _____ largest

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.