

Math Procedural Writing: Rounding Numbers

Day 1 – Monday, January 11, 2014

What is it?

- This is a style of writing in which someone will explain the steps to performing a mathematical operation.

- The writer will include:
 - **A topic sentence**
 - **Transition words to connect each step**
 - **A concluding sentence that restates the main idea**

What is involved?

Much like responding to an extended constructed response question, you will:

1. plan out your response
2. write a draft
3. edit and revise your draft
4. write your final draft

Why are we doing this?

- Writing is a fundamental 4th grade skill, and we need ALL the practice we can get!
- This helps us better understand the process ourselves.
- This allows us to be better written communicators.

Here is an example of a FINAL DRAFT

There are 9 steps that we will use to add 2,937 plus 486. First, we will stack the numbers on top of each other, lining the digits in the ones place together. Next, we will add the 7+6, which are in the ones column. When we add these numbers, we get 13. Now, you will write the 3 from 13 under the 6, and put the 1 from 13 above the 3 in the tens column. After this step, we will add the digits in the tens column, which are the 1, 3, and 8. The sum of the tens column is 12, so we will put the 2 under the 8 in the tens column and the 1 above the 9 in the hundreds column. Then we will add the digits in the hundreds column, which are 1, 9, and 4. The sum of the hundred column is 14, so the 4 will be written under the 4 in the hundreds column, and the 1 will go above the 2 in the thousands column. The next step will be to add the digits in the thousands column, which are the 1 and 2. Finally, you will write the sum of 3 under the thousands column, and put your comma between the 3 and 4 in the answer line. Those are the 9 steps that you would use to add 2,937 plus 486.

Example with transition words and topic sentence highlighted

There are 9 steps that we will use to add 2,937 plus 486. **First**, we will stack the numbers on top of each other, lining the digits in the ones place together. **Next**, we will add the 7+6, which are in the ones column. When we add these numbers, we get 13. **Now**, you will write the 3 from 13 under the 6, and put the 1 from 13 above the 3 in the tens column. **After this step**, we will add the digits in the tens column, which are the 1, 3, and 8. The sum of the tens column is 12, so we will put the 2 under the 8 in the tens column and the 1 above the 9 in the hundreds column. **Then** we will add the digits in the hundreds column, which are 1, 9, and 4. The sum of the hundred column is 14, **so** the 4 will be written under the 4 in the hundreds column, and the 1 will go above the 2 in the thousands column. **The next step** will be to add the digits in the thousands column, which are the 1 and 2. **Finally**, you will write the sum of 3 under the thousands column, and put your comma between the 3 and 4 in the answer line. Those are the 9 steps that you would use to add 2,937 plus 486.

Now we are going to try this!

Round 4,385 to the nearest hundred.

Planning

Rough Draft

There are six steps to rounding 4,385 to the nearest hundred. **First**, you will circle the 3 because it is in the hundreds place. **Next**, you will underline the 8 because it is in the tens place. **Then** you will look at the 8, and because it is between 5 and 9, you are going to have add 1 to the digit in the hundreds place. **Now**, you are going to change the 8 and 5 in the tens and ones place to zeroes. **After that**, we can write the 3 in the hundreds place as a 4. **Finally**, the 4 in the thousands place is going to stay the same. Our answer is 4,400. Those are the 6 steps it takes to round 4,385 to the nearest hundred.

Rough Draft

There are six steps to rounding 4,385 to the nearest hundred. First, you will circle the 3 because it is in the hundreds place. Next, you will underline the 8 because it is in the tens place. Then you will look at the 8, and because it is between 5 and 9, you are going to have add 1 to the digit in the hundreds place. Now, you are going to change the 8 and 5 in the tens and ones place to zeroes. After that, we can write the 3 in the hundreds place as a 4. Finally, the 4 in the thousands place is going to stay the same. Our answer is 4,400. Those are the 6 steps it takes to round 4,385 to the nearest hundred.

Rough Draft – Writing (Differentiation)

_____.

_____, you will circle the 3 because it is in _____.

_____, you will _____.

_____, you will look at the 8, and because it is between 5 and 9, you are going to have add 1 to the digit in the hundreds place. _____, you are going to change the 8 and 5 in the tens and ones place to _____.

_____, the we can write the _____.

_____, the 4 in the thousands place is going to stay the same. Our answer is 4,400. _____.

Math Procedural Writing: Rounding Numbers

Day 2 – Tuesday, January 12, 2014

Day 2 – Math Procedural Writing

- This is a style of writing in which someone will explain the steps to performing a mathematical operation.

- The writer will include:
 - _____
 - _____
 - _____

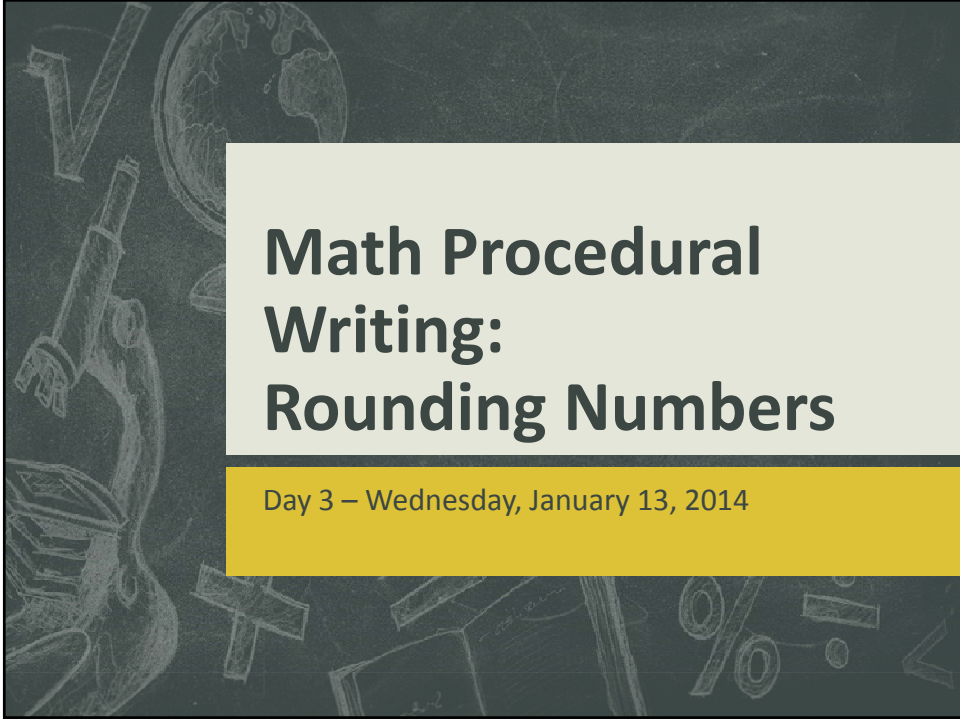
Can you find the topic sentence, transition words, and concluding sentence?

There are six steps to rounding 4,385 to the nearest hundred. First, you will circle the 3 because it is in the hundreds place. Next, you will underline the 8 because it is in the tens place. Then you will look at the 8, and because it is between 5 and 9, you are going to have add 1 to the digit in the hundreds place. Now, you are going to change the 8 and 5 in the tens and ones place to zeroes. After that, we can write the 3 in the hundreds place as a 4. Finally, the 4 in the thousands place is going to stay the same. Our answer is 4,400. Those are the 6 steps it takes to round 4,385 to the nearest hundred.

Now you are going to try this with a partner!

Round 2,734 to the nearest hundred.

- First: Plan out your response on the notebook paper provided.
- Second: Take turns writing each sentence in your rough draft on the notebook paper provided.
- Third: Use a colored pencil to look for mistakes (words not correctly capitalized, misspelled words)
- Fourth: Each person writes the corrected final draft in your notebooks.
- **TIME: 20 minutes**



Math Procedural Writing: Rounding Numbers

Day 3 – Wednesday, January 13, 2014

Math Procedural Writing

- This is a style of writing in which someone will explain the _____.

- The writer will include:

- _____
- _____
- _____

Can you find the topic sentence, transition words, and concluding sentence?

There are 6 steps to round 2,734 to the nearest hundred. First, you will circle the 7 because it is in the hundreds place. Next, you will underline the 3 because it is in the tens place. Then, you will look at the 3 in the tens place, and because it is between 0 and 4, the number in the hundreds place is going to stay the same. Now, you will turn the 3 and 4 in the tens and ones place to zeroes. Afterwards, you can rewrite the 7 in the hundreds place since that is staying the same. Finally, you can write the 2 in the thousands place, which also stayed the same. Your answer is 2,700. Those are the steps to round 2,734 to the nearest hundred.

Day 3 – On Your Own

Round 2,937 to the nearest ten.

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- First: Plan out your response in your notebook.
 - Second: Fill in the blanks to the draft provided you.
 - Third: Use a colored pencil to look for mistakes (words not correctly capitalized, misspelled words)
 - Fourth: Write the corrected final draft in your notebook.
- **TIME: 20 minutes**

Fill in the blanks: Round 2,937 to the nearest ten

There are _____

_____. _____, you will circle the ____ because it is in the _____.

_____. _____, you will underline the ____ because _____

_____. _____ you will look at the _____, and because it is between ____ and _____, you are going to _____

_____. _____, you are going to change the _____

_____. _____,

you can write the 3 in the tens place as a _____. _____, the _____

_____ going to stay the same. Our answer is _____.

_____.

Math Procedural Writing: Rounding Numbers

Day 4 – Thursday, January 14, 2014

Day 4 – Assessment

Round 4,152 to the nearest hundred.

- First: Plan out your response on page 1.
- Second: Write your rough draft on page 2.
- Third: Use a colored pencil to look for mistakes (words not correctly capitalized, misspelled words, missing punctuation)
- Fourth: Write the corrected final draft on page 3.
- **TIME: 30 minutes**