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Rules of Decimals

With this graphic organizer for Decimal Operations, there are several methods in which you may use it in your classroom and in which I've utilized it in my class rooms. Some suggestions are included with this packet.

1st suggested use of this resource: Students create the graphic organizer in their interactive notebooks. First only have them do addition of decimals and do some practice problems for about 30 minutes of instructional time. Next do the same with subractions, multiplication, then division. Allow students to use colored pencils or colored pens that coordinate to the color of the operation they are performing.

2nd suggested use: Another use would be to review operations with decimals as a mini lesson. Handout the page with the notes of the operations and examples not done. Review the handout and operations. Walk around and check student's work to ensure they understand how to solve math problems with decimals.

3rd suggested use: Modify the graphic organizer with different examples and leaving some words blank to create a quiz. An example of this type of quiz is in the following pages.

Thank you for your interest in my product.

M.Moore Educational

Sincerely, Mary Moore

by Mary Moore

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Students can solve the problems with color pencils in the color of the operation or use blank organizer on following page to take notes & write their own examples

Addition

- > Find the decimal
- > Line up the decimals
- > Fill in empty spots with zero
- > Add
- > Bring down the decimal in your answer

EXAMPLE

12.5 + 9.74

Subtraction

- > Find the decimal
- > Line up the decimals
- > Fill in empty spots with zero
- > Subtract
- > Bring down the decimal in your answer

EXAMPLE 18.7 - 11.23

Rules of Decimals

Multiplication

- > The number with most digits goes on top
- > Decimals do not have to line up
- > Multiply like normal

EXAMPLE

1.430

X .55

- > Count how many places in first number the decimal is moved over
- > Count how many places in 2nd number the decimal is moved over

> This is how many places you move the decimal in your answer

<u>Division</u>

- > Divisor can not have a decimal
- > Move the divisor decimal so it is a whole number
- > Move the same amount of places in dividend
- > Place a decimal straight up where you write your answer, rewrite problem
- > Divide like normal

EXAMPLE

DIVISOR > 0.4)2.85

Blank graphic organizer on following page to take notes & write their own examples



PRACTICE PROBLEMS - I would let them use color pencils or ink pens to do the problems. Students enjoy the flexibility to utilize color pencils/pens. Red for addition, Green for subtraction.....



PRACTICE PROBLEMS - ANSWER KEY



QUIZ or TEST on Rules of Decimals or as GUIDED Graphic Organizer



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