

Thank you for purchasing this product. It includes 2 different foldable for operations with scientific notation. You can decide which foldable works better in your class, and include different examples or modify the steps.

Page 3 and 4 show the notes I use in my classroom (same notes can be written in the square foldable).
Page 5 and 6 provide the steps and students write down the examples. In my classroom students use colored pens or highlighters. It helps them organize the information and remember the steps.
Page 7 and 8 is a blank copy.
Page 9 and 10 is the square foldable.

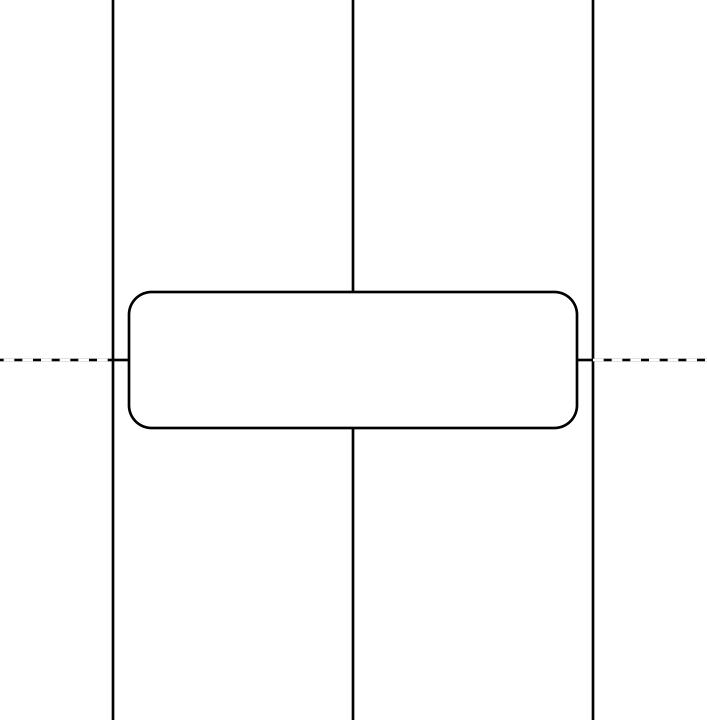
Printing instructions: Select the foldable you want to use in your class. Print it front to back **or** print it and copy it front to back.

 Multiplying with Scientific Notation 1. Multiply the decimal numbers. 2. Add exponents. 3. Make sure you have one digit (non zero) in front of the decimal.* 	Example: $(3.7 \times 10^{6}) \times (6.2 \times 10^{4})$ Step 1: 3.7 × 6.2 = 22.94 Step 2: 6 + 4 = 10 Step 3: 22.94 × 10 ¹⁰⁺¹ 2.294 × 10 ¹¹	Example: $(1.2 \times 10^{8}) \div (2.4 \times 10^{3})$ <u>Step 1</u> : $1.2 \div 2.4 = 0.5$ <u>Step 2</u> : $8 - 3 = 5$ <u>Step 3</u> : $0.5 \times 10^{5-1}$ 5×10^{4}	Dividing with Scientific Notation 1. Divide the decimal numbers. 2. Subtract exponents. 3. Make sure you have one digit (non zero) in front of the decimal.*
Adding with Scientific Notation 1. Make sure that exponents of both numbers are the same.* 2. Add decimals, don't forget to line up the decimal points. Keep exponents the same. 3. Make sure you have one digit (non zero) in front of the decimal.*	* To change the exponent count how many times you need to move the decimal, if you move decimal <i>forward</i> add that number to the exponents, if you move the decimal <i>back</i> subtract that number from the exponent.		Subtracting with Scientific Notation 1.Make sure that
	Example: $(9.7 \times 10^{6}) + (5.4 \times 10^{4})$ Step 1: $9.7 \times 10^{6-2} = 970.0 \times 10^{4}$ Change 6 to 4 by moving decimal back 2 places. Step 2: 970.0×10^{4} $\frac{5.4 \times 10^{4}}{975.4 \times 10^{4}}$	Example: $(1.7 \times 10^{8}) - (7.2 \times 10^{7})$ <u>Step 1</u> : $1.7 \times 10^{8-1} = 17.0 \times 10^{7}$ Change 8 to 7 by moving decimal back 1 place. <u>Step 2</u> :	exponents of both numbers are the same.* 2. Subtract decimals, don't forget to line up the decimal points. Keep exponents the same. 3. Make sure you have one digit (non zero) in front of the decimal.*
© 2014 Anna Bovio	<u>Step 3</u> : 975.4 × 10 4 + 2 9.754 × 10 ⁶	<u>Step 3</u> : only one digit in front of the decimal. 9.8 x 10 ⁷	

Adding with Scientific Notation	Fold here	Subtracting with Scientific Notation
Multiplying with Scientific Notation	F01 P0F0	Dividing with Scientific Notation

Multiplying with Scientific Notation 1. Multiply the decimal numbers. 2. Add exponents. 3. Make sure you have one digit (non zero) in front of the decimal.*	* To change the exponent co you need to move the dec decimal <i>forward</i> add the	ecimal, if you move	Dividing with Scientific Notation 1. Divide the decimal numbers. 2. Subtract exponents. 3. Make sure you have one digit (non zero) in front of the decimal.*
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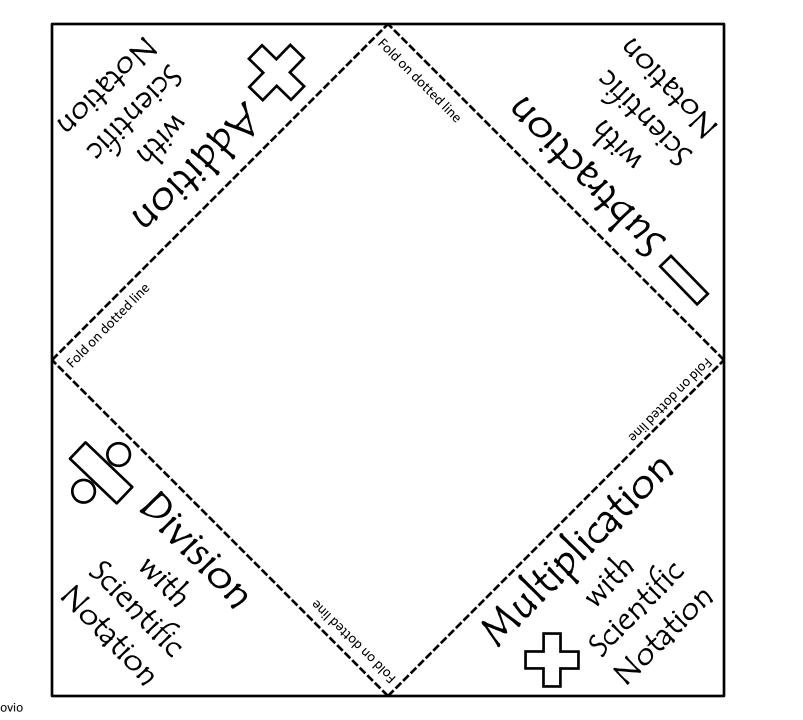
Adding with Scientific Notation	Fold here	Subtracting with Scientific Notation
Multiplying with Scientific Notation	F01 P0F0	Dividing with Scientific Notation

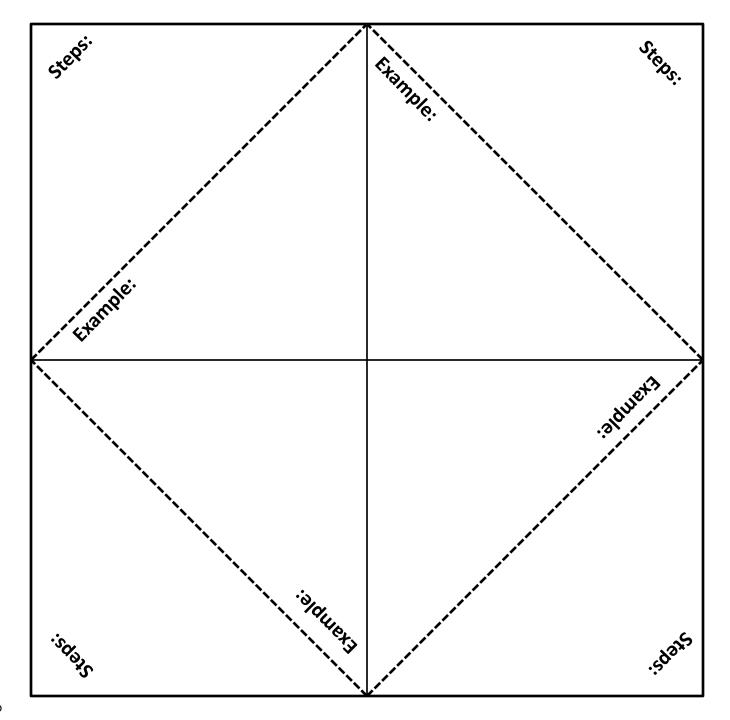


Fold here

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