

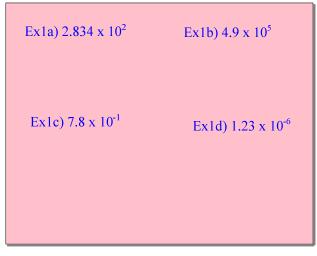
Ch 8.2 Scientific Notation

Ex 1)Write in decimal form

Rules:

Exponent is <u>positive</u> make the number <u>larger</u>. Exponent is <u>negative</u> make it <u>smaller</u>. Exponent tells how many to move.

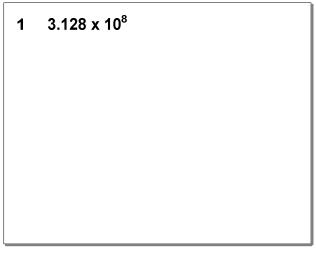
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2 3.95 x 10<sup>-4</sup>

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Ex 2) Write in Scientific Notation
Rules:
*Move the decimal so that the number is larger
than 1, but less than 10.
*Drop the zeroes
*Write as the # x 10 <sup>exponent</sup>
*exponent-tells how many places you moved
the decimal.
*If the number was <u>larger</u> than 1, then exponent
is <u>positive</u> .
*If the number was <u>smaller</u> than 1, then the
exponent is <u>negative</u> .

Ex2a) 34,690 Ex2b) 1.78

Ex2c) 0.000722 Ex2d) 5,600,000

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Try #3. 352,314,000	Try #4.	3.2
Try #5. 0.0471	Try#6.	0.0000428

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