Scientific Notation

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| 0 row selected - rows selected - [**clear**](http://wmci-physics20p4.wikispaces.com/message/view/Class+Notes/33953262) | | | |
| **[WMCI_Josh_Hubbs](http://www.wikispaces.com/user/view/WMCI_Josh_Hubbs)** | [**WMCI\_Josh\_Hubbs**](http://www.wikispaces.com/user/view/WMCI_Josh_Hubbs) Yesterday 4:56 pm  Scientists Have figured out a way to short VERY large or Very small numbers. Scientific Notation is based on powers of ten. The Speed of Light is 300000000M/S A speck of Dust is 0.000000000753kg  123,000,000,000 in SN is 1.23 x 10 to 11th power The first number is the coefficient 1.23 it must be equal to or greater than 1 but less the ten. The second number is the base 10 and the base must always be ten. Base is written in exponent form. The Exponent must always be an integer.  Expanded number to Scientific Notation Move decimal place till one digit remains If the move is towards the left it is positive. If the move is to the right it is negative.  Scientific Notation to Expanded form Move the decimal point the number equal to the exponent.If the move is to the left it is negative. If the move is towards the right it is positive.  EXAMPLES: 5200=5.2x10 3 520=5.2x10 2 52=5.2x10 1 5.2=5.2x10 0 0.52=5.2x10 -1 0.052=5.2x10 -2 |  |  |