Scientific Notation

A number in *scientific notation* (SN) is expressed as the product of a number between 1 and 10 and a power of 10.

To write a number greater than 1 in SN, follow these:

- 1. Move the decimal point to the LEFT so that there is only one nonzero digit to its left.
- 2. Indicate the multiplication of this number by the power of 10 based on the number of places the decimal point is moved.

To express a number less than 1 in SN, follow these:

- 1. Move the decimal point to the RIGHT so that there is only one nonzero digit to it left.
- 2. Count the number of places that the decimal point moved and use this number, written with a minus sign, as the exponent of the base 10.

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Express each number in scier	ntific notation:	- Co
14 000 000	18 000	
0.000 53	0.004 78	
(5 x 10 ⁵) (7 x 10 ⁷) =		(O)
0.000 008 x 0.000 9 =		
Write each SN in standard fo	orm:	
34 x 10 ⁵	1.400 09 x 10	⁷ °
6.0 x 10 ⁴	8.3 x 10 ²	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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