Writing in Scientific Notation

Procedure:

1. **Rewrite the number as a product of a number between one and ten and some power of ten.**

Example:

Write 36,000 in scientific notation.

Since 3.6 can be used as a number between one and ten, the decimal point must be moved to the right four places to get it back to its original position. Therefore, $36000 = 3.6 \times 10^4$.

Write in scientific notation.

1. 232,000,000	**2.** 57,000,000	**3.** .00034
4. .000000619	**5.** 4,380,000	**6.** .000000051
7. 260,000	**8.** .00000757	**9.** 8,030,000

Write in standard form.

1. 5.32×10^6	**2.** 7.5×10^{11}	**3.** 3.46×10^{-7}
4. 5.1528×10^{-4}	**5.** 4.38×10^7	**6.** $.515 \times 10^{-5}$
7. 27.6×10^8	**8.** 6.17×10^{-8}	**9.** $.834 \times 10^9$