

Scientific Notation:**Express the following powers of ten in "standard notation":**

- 1) $10^0 =$ _____ in words _____
- 2) $10^1 =$ _____ in words _____
- 3) $10^2 =$ _____ in words _____
- 4) $10^3 =$ _____ in words _____
- 5) $10^6 =$ _____ in words _____
- 6) $10^9 =$ _____ in words _____
- 7) $10^{12} =$ _____ in words _____
- 8) $10^{-1} =$ _____ in words _____
- 9) $10^{-2} =$ _____ in words _____
- 10) $10^{-3} =$ _____ in words _____
- 11) $10^{-6} =$ _____ in words _____
- 12) $10^{-9} =$ _____ in words _____
- 13) $10^{-12} =$ _____ in words _____

Scientific Notation Rules:**Express each of the following in scientific notation.**

- 14) 0.000811
- 15) 78,000
- 16) 16
- 17) 0.00053
- 18) 0.0043
- 19) 250
- 20) 0.875

Express each of the following in standard Notation

- 21) 5.2×10^3
- 22) 3.6×10^1
- 23) 9.65×10^{-4}
- 24) 6.452×10^2
- 25) 8.5×10^{-2}
- 26) 8.77×10^{-1}
- 27) 2.71×10^4

28) A human body contains about 5.6×10^{-6} microliters of blood. Write this number in standard notation.

29) The Andromeda Galaxy (the closest one to our Milky Way galaxy) contains at least 200,000,000,000 stars. What is this in scientific notation?