

Convert the following numbers into scientific notation

$5,340,000 =$

$705,000,000 =$

$0.00000005874 =$

$0.00000747 =$

$1,451 =$

$0.08 =$

$0.0000041 =$

$105 =$

$0.0004178 =$

$0.0048754 =$

$105,000 =$

$62,400 =$

Convert the following numbers from scientific notation into conventional numbers

$5.204 \times 10^{-5} =$

$9.795 \times 10^9 =$

$1.02 \times 10^7 =$

$3.51 \times 10^2 =$

$8.1 \times 10^5 =$

$6.32514 \times 10^3 =$

$2.0078 \times 10^{-4} =$

$1.584 \times 10^{-6} =$

$4.7 \times 10^{-3} =$

$7.041 \times 10^4 =$

$7.75 \times 10^{-8} =$

$4.09 \times 10^{-7} =$

Exponent Practice – All the Rules!

$$\frac{x^6}{x^{10}} =$$

$$\left(\frac{x}{3}\right)^{-2} =$$

$$\frac{4a^6}{12a^3} =$$

$$(7m^5)(2m) =$$

$$(3x^5)(2x^6) =$$

$$\left(\frac{2x^2}{y^5}\right)^3 =$$

$$\frac{3x^{-2}}{y^5} =$$

$$-(2x^5)^3 =$$

$$(2x^5y)^3 =$$

$$(3^{-2})^2 =$$

$$\frac{x^3y^5}{x^7y} =$$

$$\frac{w^{-5}}{3x^{-6}} =$$

$$10x^0 =$$

$$6^{-2} =$$

$$\left(\frac{2x^2}{y^5}\right)^3 =$$

$$\frac{m^{11}n^6}{m^{-4}n^{10}} =$$

$$5x^{-3} =$$

$$2^5 \cdot 2^3 \cdot 2 =$$