In scientific notation, numbers are expressed in this form: 
\[ M \times 10^n \]  
where \( M = \) ________________ and \( n = \) ________________

How to Take Numbers Out of Scientific Notation:

1. \( 10^3 \) means ________________
2. \( 10^{-3} \) means ________________

\[ 6.2 \times 10^4 \] means (multiply, divide) 6.2 by 10 ____ times.  \[ 6.2 \times 10^4 = \] ________

\[ 1.5 \times 10^{-2} \] means (multiply, divide) 1.5 by 10 ____ times.  \[ 1.5 \times 10^{-2} = \] ________

Video Problem Set #1:

a.

b.

c.

d.

e.

How to Put Numbers into Scientific Notation:

\[ 8500 = \] ________________  \[ 0.000303 = \] ________________
Video Problem Set #2:

a.

b.

c.

d.

e.

Calculator Help:

Notes -

\[ 2 \times 10^3 \times 4 = \quad \]

\[ \frac{8.4 \times 10^{-12}}{2.8 \times 10^9} = \quad \]