**Monday:**  **Define each of the following math terms using your notes or other resources.**

1. Evaluate: 2. Exponent: 3. Base:

4. Co-efficient: 5. Variable:

**Tuesday: Scientific Notation – write each number in standard form.**

**1.** 9.03 × $10^{2}$ = **2.** 7.89 × $10^{3}$ = **3.** 5.1 × $10^{-2}$ = **4.** 7.7 × $10^{-5}$ =

**Write each number in scientific notation.**

**5.** 4,400 = **6.** 75,000 = **7.** 0.084 = **8.** 0.0099 =

**9.** Which number is greater: $3.5×10^{4}$ or $2.1×10^{6}$? Explain

**10. SOLAR SYSTEM** Pluto is 3.67 ×$10^{9}$ miles from the Sun. Write this number in standard form.

**Wednesday: Write the following in standard form. (There are some on the back)**

**1.** 4.115 × $10^{5}$ = **2.** 3.85 × $10^{-4}$ =

**Write each number in scientific notation.**

**3.** 69,900,000 = **4.** 0.000000515 =

**5. MEASUREMENT** One centimeter is equal to about 0.0000062 mile. Write this number in scientific
 notation.

**Evaluate each expression. Express the result in scientific notation. (Use multiplication OR division rules)**

**6.** (7.3 × $10^{8}$)(2.4 ×$10^{3}$) **7.** ( $7.2×10^{7}$)( $1.82×10^{2}$)

**Evaluate each expression. Express the result in scientific notation. (Use multiplication OR division rules)**

**8.** $\frac{4.62 × 10^{7}}{1.2 × 10^{4}}$ **9.** $\frac{8.64 × 10^{6}}{4.32 × 10^{3}}$

**10. MARS** The diameter of Mars is about 6.8 × $10^{3}$ kilometers. The diameter of Earth is about 1.2763 ×$10^{4}$ kilometers.
 About how much greater is Earth’s diameter than the diameter of Mars?

**Thursday: Evaluate each expression. Express the result in scientific notation.**

**1.** ( $4.5×10^{3}$)( $1.6×10^{5}$) **2.** ($2.46×10^{7}$)($1.78×10^{2}$) **3.** $\frac{2.144 × 10^{7}}{3.2 × 10^{4}}$

**4.** $\frac{3.936 × 10^{5}}{2.4 × 10^{2}}$ **6.** ( $9.67×10^{6}$) + ( $3.45×10^{5}$) **7.** ( $2.82×10^{9}$) + ( $6.3×10^{7}$)

**8.** ( $3.64×10^{6}$) – ( $2.18×10^{4}$) **9.** ( $9.8×10^{5}$) – ($6.7×10^{3 }$)

**10. WAREHOUSE** A factory builds a new warehouse
that is approximately 1.28 ×$10^{5}$square feet. Later, they add on 1.13 ×$10^{3}$ more square feet for offices. Use scientific notation to write the total size of the new building.