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

**1.** ( $9.8×10^{5}$) – ($6.7×10^{3 }$) **2.** ($2.46×10^{7}$)($1.78×10^{2}$) **3.** $\frac{3.936 × 10^{5}}{2.4 × 10^{2}}$

**4. 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.

**Find or estimate each root.**

**5.** $\pm \sqrt{0.0025}$ = **6.** $x^{2}=\frac{81}{169}$ **7.** $\sqrt{227}$ = **8.** $\sqrt[3]{510}$ =

**Order each set of numbers from least to greatest. 9.** $\sqrt{10}$, $\sqrt{8}$, 2.75, 2.$\overbar{8}$

**WEDNESDAY: Solve the equation using the opposite operation. SHOW ALL WORK BELOW & check your answers!!**

**1.** x + 7 = 10 **2.** x - 7 = 10 **3.**  7x = 70 **4.**  x = 7
 2

**5.** $\frac{1}{2}x=$14 **6.** $\frac{4}{7}w=$ 24 **7.** $0.4t = 0.72$ **8.** $ 1.8p = 19.8$

**Define a variable. Then write and solve an equation for each situation.**

**13. COOKING** Simone peeled 14 potatoes in $\frac{1}{5}$ hour. At this rate, how many potatoes can Simone peel in one hour?

**14. VOTING** In the eighth grade, 322 students voted for the new mascot to be a tiger. This was $\frac{7}{10}$ of the total number
 of students in the eighth grade. How many students are in the eighth grade?

**THURSDAY: Solve each equation. Check your solution.**

**1.** $\frac{3}{8}r=\frac{15}{16}$ **2.** $\frac{5}{7}c=\frac{13}{14}$ **3.** $-\frac{5}{8}y=-\frac{1}{2}$ **4.** $-5.2 = 0.04m$

**5.** $-0.8g = 3.36$ **6.** $-2h = -1.46$ **7.** $3g + 5 = 17$ **8.** $7k - 5 = -19$

**9.** $4 - 3y = 31$ **10.** $15 - 2b = -9$