

Significant Figures, Scientific Notation, Density, Metric conversion review

- IV. Identify the following Sig Figs and convert to scientific notation
- e. 9024570
 - f. 0.00035820
 - g. 120000
 - h. 0.006457
- V. Solve the following.
- h. $4.5\text{cm}^3 \times 10\text{cm}$
 - i. $25.94\text{g}^3 / 14.2\text{g}$
 - j. $14.92\text{m} - 4\text{m}$
 - k. $13.523 + 1.27 + 8.9$
 - l. What is the density of an object whose mass is 45.9g and that displaces 8.2ml of water?
 - m. An object's $l=7.52\text{cm}$, $w=3.98\text{cm}$, $ht.=11.7\text{cm}$. What is its mass if the density is $1.25/\text{cm}^3$?
 - n. An object has a density of $.792\text{g/ml}$ what would be the volume of the object if the mass were 32.6g.
- VI. Convert the following
- d. $16.5\text{oz} \rightarrow \text{mg}$
 - e. $16.5\text{oz} \rightarrow \text{cl}$
 - f. $743.2\text{miles} \rightarrow \text{km}$