Chemistry 11

Unit #2 - Measurements & Calculations

Section #3 - Calculations

QUIZ

1. Add this column of numbers:

    $$\begin{array}{r} 100.4 \\ 96.14 \\ \underline{88.0092} \end{array}$$

2. Subtract these numbers: $28.461 - 17.1$

3. Divide these numbers: $3.69 \div 0.011$

4. Given: Mass = 24.12 grams   Volume = $5.4971 \ cm^3$
    Find: The density of this object.

5. Subtract these numbers: $86,320 - 1.46$

6. A ruler was used to measure the length of a book. The length was 249 mm. Given our standard uncertainties, what would be the percent uncertainty of this measurement ?

7. Three planks of wood have these lengths: 4.21 m, 118.9 cm, 17.901 dm. What is the total length of these planks ?

8. A rectangular floor has these dimensions: length = 1.07×10^3 cm
    Width = 8.921×10^2 cm

    Find the area of this floor.