Name: _____

Summary of Scientific Notation and Significant Figures

Put into correct scientific notation:

1. 5983 x 10
2. 0.265 x 10
3. 0.000065 x 10
4. 928716 x 10

Put into standard notation

1. 5.6×10^{4}
2. 4.7×10^{-2}
3. 2.3×10^{-10}
4. 9.8×10^{6}

State the number of Significant Figures in each number

1. 0.023
2. 2300
3. 2303
4. 0.023023

Round each number to the correct significant figures

1. 78532 to 3 significant figures
2. 0.2354 to 2 significant figures
3. 235748 to 3 significant figures
4. 0.0023645 to 2 significant figures

Calculate each problem to the correct number of significant figures and unit.

1. 23.36 cm + 65.4 cm =
2. 98.7 m x 3.62 m =
3. 6678 km - 453.2 km =
4. 45.26 g ÷ 5.6 g =

Complete each problem. Make sure final answer uses the correct significant figures.

1. $(2.3 \times 10^{3}) + (5.63 \times 10^{4})$ = x 10
2. $(4.7 \times 10^{-2}) \times (6.52 \times 10^{4})$ = x 10
3. $(5.6 \times 10^{3}) - (7.20 \times 10^{2})$ = x 10
4. $(5.80 \times 10^{4}) \div (2.3 \times 10^{3})$ = x 10