

Name: _____ Date: _____
Chemistry

Worksheet

Calculations and Sig Figs II



Determine the number of significant figures in each of the following values.

_____ 6.07×10^{-15} _____ 0.003840 _____ 17.00 _____ 8×10^8
_____ 463.8052 _____ 300 _____ 301 _____ $300.$

Directions: Perform the following calculations using sig figs.

_____ 1) $3.461728 + 14.91 + 0.980001 + 5.2631 =$

_____ 2) $23.1 + 4.77 + 125.39 + 3.581 =$

_____ 3) $22.101 - 0.9307 =$

_____ 4) $0.04216 - 0.0004134 =$

_____ 5) $564,321 - 264,321 =$

_____ 6) $(1.3) \times (5.724) =$

_____ 7) $(6305)/(0.010) =$

_____ 8) $(6.78 \times 10^{-4}) \times (1.4 \times 10^2) =$

_____ 9) $12.5 \times 75 =$

_____ 10) $6.022 + 234.98 - 7589.0 =$

"Humor is the sunshine of the mind." -- Edward G. Bulwer-Lytton