Scientific Notation Worksheet - Solutions

Convert the following numbers into scientific notation:

1) 3,400 3.4×10^{3}

2) 0.000023 2.3×10^{-5}

3) 101,000 1.01×10^{5}

4) 0.010 1.0×10^{-2}

5) 45.01 4.501×10^{1}

6) 1,000,000 1×10^{6}

7) 0.00671 6.71×10^{-3}

8) 4.50 4.50×10^{0}

Convert the following numbers into standard notation:

9) 2.30×10^{4} 23,000

10) 1.76×10^{-3} 0.00176

11) 1.901×10^{-7} 0.0000001901

12) 8.65×10^{-1} 0.865

13) 9.11×10^{3} 9,110

14) 5.40×10^{1} 54.0

15) 1.76×10^{0} 1.76

16) 7.4×10^{-5} 0.000074

Significant Figure Calculations

Solve the following mathematical problems such that the answers have the correct number of significant figures:

1) 334.54 grams + 198 grams = _____