

Express these numbers in scientific notation.

1. 49,100 _____

4. 0.02045 _____

2. 588.39 _____

5. 0.111 _____

3. 7.27 _____

6. 300.6 _____

Express these numbers in decimal notation.

1. 8.32×10^{-2} _____

4. 1.457×10^2 _____

2. 5.4×10^4 _____

5. 3.00×10^{-1} _____

3. 9.67×10^3 _____

6. 2.22×10^{-6} _____

Use your calculator to solve the following. Be sure to express your answer in scientific notation even if your calculator does not.

1. $(3.0 \times 10^5) + (5.0 \times 10^4)$ _____

2. $(8.5 \times 10^4)(6.0 \times 10^{-4})$ _____

3. $\frac{(1.0 \times 10^9)(9.1 \times 10^{-5})}{(1.4 \times 10^2)}$ _____

4. $\frac{(4.84 \times 10^6)}{(1.936 \times 10^{-5})}$ _____