

Name : _____

Score : _____

Teacher : _____

Date : _____

Operations with Scientific Notation

Simplify. Write each answer in scientific notation. Round to the nearest thousandth if needed.

1) $\frac{4.5 \times 10^{-6}}{3.6 \times 10^{-3}}$

7) $(8.98 \times 10^3)(3.25 \times 10^4)$

2) $\frac{8.3 \times 10^{-2}}{9 \times 10^{-6}}$

8) $\frac{4 \times 10^2}{9.48 \times 10^6}$

3) $\frac{6.9 \times 10^2}{8.84 \times 10^6}$

9) $(6 \times 10^{-2})^3$

4) $(9.6 \times 10^{-6})(3 \times 10^{-2})$

10) $(6.07 \times 10^{-4})(1.2 \times 10^{-5})$

5) $(5.22 \times 10^3)^2$

11) $(3.9 \times 10^{-3})^2$

6) $(6 \times 10^2)(8.6 \times 10^6)$

12) $(3 \times 10^4)^3$



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1) $\frac{4.5 \times 10^{-6}}{3.6 \times 10^{-3}}$

1.25×10^{-3}

2) $\frac{8.3 \times 10^{-2}}{9 \times 10^{-6}}$

9.222×10^3

3) $\frac{6.9 \times 10^2}{8.84 \times 10^6}$

7.805×10^{-5}

4) $(9.6 \times 10^{-6})(3 \times 10^{-2})$

2.88×10^{-7}

5) $(5.22 \times 10^3)^2$

2.725×10^7

6) $(6 \times 10^2)(8.6 \times 10^6)$

5.16×10^9

7) $(8.98 \times 10^3)(3.25 \times 10^4)$

2.9185×10^8

8) $\frac{4 \times 10^2}{9.48 \times 10^6}$

4.219×10^{-5}

9) $(6 \times 10^{-2})^3$

2.16×10^{-4}

10) $(6.07 \times 10^{-4})(1.2 \times 10^{-5})$

7.284×10^{-9}

11) $(3.9 \times 10^{-3})^2$

1.521×10^{-5}

12) $(3 \times 10^4)^3$

2.7×10^{13}

