

Name : _____

Score : _____

Teacher : _____

Date : _____

Operations with Scientific Notation

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

1) $(6 \times 10^2)(9.8 \times 10^3)$

7) $\frac{9 \times 10^{-2}}{6.7 \times 10^{-5}}$

2) $\frac{6.5 \times 10^4}{8.4 \times 10^5}$

8) $(9.9 \times 10^3)^3$

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

9) $\frac{4.8 \times 10^{-3}}{7.5 \times 10^{-5}}$

4) $(4.65 \times 10^5)(3 \times 10^2)$

10) $(5.4 \times 10^{-3})^3$

5) $(7.75 \times 10^{-5})(9.56 \times 10^{-4})$

11) $(4.65 \times 10^6)^3$

6) $(3 \times 10^{-4})(4.48 \times 10^{-2})$

12) $\frac{5 \times 10^5}{3 \times 10^4}$

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Operations with Scientific Notation

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

1) $(6 \times 10^2)(9.8 \times 10^3)$

5.88×10^6

2) $\frac{6.5 \times 10^4}{8.4 \times 10^5}$

7.738×10^{-2}

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

8×10^{-6}

4) $(4.65 \times 10^5)(3 \times 10^2)$

1.395×10^8

5) $(7.75 \times 10^{-5})(9.56 \times 10^{-4})$

7.409×10^{-8}

6) $(3 \times 10^{-4})(4.48 \times 10^{-2})$

1.344×10^{-5}

7) $\frac{9 \times 10^{-2}}{6.7 \times 10^{-5}}$

1.343×10^3

8) $(9.9 \times 10^3)^3$

9.703×10^{11}

9) $\frac{4.8 \times 10^{-3}}{7.5 \times 10^{-5}}$

6.4×10^1

10) $(5.4 \times 10^{-3})^3$

1.575×10^{-7}

11) $(4.65 \times 10^6)^3$

1.005×10^{20}

12) $\frac{5 \times 10^5}{3 \times 10^4}$

1.667×10^1