

Name : _____

Answer key

Score : _____

Scientific Notation

Mixed operations: DS2

Simplify each problem and express the answer in scientific notation.

1) $(4.02 \times 10^{-3}) - (6.8 \times 10^{-4})$

Answer : 3.34×10^{-3}

2) $(6.4 \times 10^4) + (2.8 \times 10^7)$

Answer : 2.8064×10^7

3) $\frac{1.12 \times 10^4}{2.8 \times 10^2}$

Answer : 4×10

4) $(7.63 \times 10^{-8})(2.7 \times 10^{-5})$

Answer : 2.0601×10^{-12}

5) $(4.08 \times 10^2) - (5.1 \times 10^{-1})$

Answer : 4.0749×10^2

6) $(2.9 \times 10^2) + (8.63 \times 10^5)$

Answer : 8.6329×10^5

7) $(6.44 \times 10^5)(7.8 \times 10^2)$

Answer : 5.0232×10^8

8) $\frac{1.3 \times 10^{-7}}{6.5 \times 10^{-5}}$

Answer : 2×10^{-3}

9) $(9.78 \times 10^{-3}) - (7.2 \times 10^{-6})$

Answer : 9.7728×10^{-3}

10) $(2.4 \times 10^4) + (1.89 \times 10^5)$

Answer : 2.13×10^5

Name : _____

Answer key

Score : _____

Scientific Notation

Mixed operations: DS1

Simplify each problem and express the answer in scientific notation.

1) $\frac{3.2 \times 10^4}{1.6 \times 10^2}$

Answer : 2×10^2

2) $(7.1 \times 10^{-2}) + (5.02 \times 10^{-4})$

Answer : 7.1502×10^{-2}

3) $(4.8 \times 10^6) - (9.7 \times 10^4)$

Answer : 4.703×10^6

4) $(6.18 \times 10^{-1})(8.7 \times 10^2)$

Answer : 5.3766×10^2

5) $(5.98 \times 10^{-2}) + (3.4 \times 10^{-4})$

Answer : 6.014×10^{-2}

6) $\frac{2.15 \times 10^7}{5 \times 10^3}$

Answer : 4.3×10^3

7) $(2.08 \times 10^{-7})(8.1 \times 10^{-5})$

Answer : 1.6848×10^{-11}

8) $\frac{5.4 \times 10^2}{1.2 \times 10^{-1}}$

Answer : 4.5×10^3

9) $(6.5 \times 10^7) - (3.1 \times 10^4)$

Answer : 6.4969×10^7

10) $(1.98 \times 10^{-3}) + (5.2 \times 10^{-6})$

Answer : 1.9852×10^{-3}