

Name : _____

Score : _____

Scientific Notation

Simplify each problem and express the answer in scientific notation.

1) $(5 \times 10^3) + (2 \times 10^5)$

Answer : _____

2) $(3 \times 10^6) - (8 \times 10^4)$

Answer : _____

3) $(5 \times 10^6) (7 \times 10^8)$

Answer : _____

4) $\frac{9 \times 10^5}{6 \times 10^2}$

Answer : _____

5) $(8 \times 10^8) - (7 \times 10^5)$

Answer : _____

6) $(2 \times 10^5) (5 \times 10^9)$

Answer : _____

7) $\frac{11 \times 10^5}{4 \times 10^2}$

Answer : _____

8) $(10 \times 10^2) + (9 \times 10^4)$

Answer : _____

9) $(7 \times 10^8) + (5 \times 10^6)$

Answer : _____

10) $(4 \times 10^7) (6 \times 10^6)$

Answer : _____

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Answer key

Simplify each problem and express the answer in scientific notation.

1) $(5 \times 10^3) + (2 \times 10^5)$

Answer : 2.05×10^5

2) $(3 \times 10^6) - (8 \times 10^4)$

Answer : 2.92×10^6

3) $(5 \times 10^6) (7 \times 10^8)$

Answer : 3.5×10^{15}

4) $\frac{9 \times 10^5}{6 \times 10^2}$

Answer : 1.5×10^3

5) $(8 \times 10^8) - (7 \times 10^5)$

Answer : 7.993×10^8

6) $(2 \times 10^5) (5 \times 10^9)$

Answer : 1×10^{15}

7) $\frac{11 \times 10^5}{4 \times 10^2}$

Answer : 2.75×10^3

8) $(10 \times 10^2) + (9 \times 10^4)$

Answer : 9.1×10^4

9) $(7 \times 10^8) + (5 \times 10^6)$

Answer : 7.05×10^8

10) $(4 \times 10^7) (6 \times 10^6)$

Answer : 2.4×10^{14}