

Scientific Notation | Addition & Subtraction

Simplify each problem and express the answer in scientific notation.

1) $(7 \times 10^8) - (5 \times 10^7)$

$$7 \times 10^8 - 0.5 \times 10^8$$

$$\underline{6.5 \times 10^8}$$

2) $(3 \times 10^4) + (4 \times 10^2)$

$$3 \times 10^4 + 0.04 \times 10^4$$

$$\underline{3.04 \times 10^4}$$

3) $(6 \times 10^7) + (4 \times 10^9)$

$$0.06 \times 10^9 + 4 \times 10^9$$

$$\underline{4.06 \times 10^9}$$

4) $(2 \times 10^8) - (5 \times 10^6)$

$$2 \times 10^8 - 0.05 \times 10^8$$

$$\underline{1.95 \times 10^8}$$

5) $(10 \times 10^9) - (12 \times 10^7)$

$$10 \times 10^9 - 0.12 \times 10^9$$

$$\underline{9.88 \times 10^9}$$

6) $(2 \times 10^4) + (3 \times 10^5)$

$$0.2 \times 10^5 + 3 \times 10^5$$

$$\underline{3.2 \times 10^5}$$

7) $(9 \times 10^3) + (6 \times 10^2)$

$$9 \times 10^3 + 0.6 \times 10^3$$

$$\underline{9.6 \times 10^3}$$

8) $(7 \times 10^6) - (4 \times 10^4)$

$$7 \times 10^6 - 0.04 \times 10^6$$

$$\underline{6.96 \times 10^6}$$

9) $(4 \times 10^5) - (3 \times 10^4)$

$$4 \times 10^5 - 0.3 \times 10^5$$

$$\underline{3.7 \times 10^5}$$

10) $(13 \times 10^3) + (11 \times 10^4)$

$$1.3 \times 10^4 + 11 \times 10^4 = 12.3 \times 10^4$$

$$= 1.23 \times 10^5$$

$$\underline{1.23 \times 10^5}$$