

Addition and Subtraction With Scientific Notation

Simplify. Write each answer in scientific notation.

1) $3.1 \times 10^3 + 4.3 \times 10^3$

$$7.4 \times 10^3$$

2) $3 \times 10^1 + 6.4 \times 10^2$

$$0.3 \times 10^2 + 6.4 \times 10^2$$

$$6.7 \times 10^2$$

3) $2.4 \times 10^4 + 5.57 \times 10^3$

$$2.4 \times 10^4 + 0.557 \times 10^4$$

$$2.957 \times 10^4$$

4) $5 \times 10^{-2} + 1.6 \times 10^{-3}$

$$5 \times 10^{-2} + 0.16 \times 10^{-2}$$

$$5.16 \times 10^{-2}$$

5) $2.5 \times 10^1 + 6.14 \times 10^4$

$$0.0025 \times 10^4 + 6.14 \times 10^4$$

$$6.1425 \times 10^4$$

6) $7 \times 10^{-1} + 6.4 \times 10^{-5}$

$$7 \times 10^{-1} + 0.00064 \times 10^{-1}$$

$$7.00064 \times 10^{-1}$$

7) $5 \times 10^{-3} + 3.3 \times 10^{-6}$

$$5 \times 10^{-3} + 0.0033 \times 10^{-3}$$

$$5.0033 \times 10^{-3}$$

8) $8 \times 10^{-1} + 6.9 \times 10^3$

$$0.0008 \times 10^3 + 6.9 \times 10^3$$

$$6.9008 \times 10^3$$

9) $1.39 \times 10^5 - 4 \times 10^2$

$$1.39 \times 10^5 - 0.004 \times 10^5$$

$$1.386 \times 10^5$$

10) $2.74 \times 10^{-1} - 6.53 \times 10^{-4}$

$$2.74 \times 10^{-1} - 0.00653 \times 10^{-1}$$

$$2.73347 \times 10^{-1}$$

11) $8.14 \times 10^5 - 7.8 \times 10^2$

$$8.14 \times 10^5 - 0.0078 \times 10^5$$

$$8.1322 \times 10^5$$

12) $6.36 \times 10^3 - 5.8 \times 10^{-1}$

$$6.36 \times 10^3 - 0.00058 \times 10^3$$

$$6.35942 \times 10^3$$

13) $5.1 \times 10^{-1} + 0.38 \times 10^4$

$$0.000051 \times 10^4 + 0.38 \times 10^4$$

$$0.380051 \times 10^4$$

$$3.80051 \times 10^3$$

14) $5.9 \times 10^{-2} - 0.078 \times 10^3$

$$0.000059 \times 10^3 - 0.078 \times 10^3$$

$$-0.077941 \times 10^3$$

$$-7.7941 \times 10^1$$