



# SCIENTIFIC NOTATION

Name \_\_\_\_\_

Score \_\_\_\_\_

SN:27

**Simplify and express the answer in scientific notation.**

$$(2.6 \times 10^{-2}) - (4 \times 10^{-4})$$

Make the exponents same before adding or subtracting.

$$= (2.6 \times 10^{-2}) + (0.04 \times 10^{-2})$$

$$= \mathbf{2.56 \times 10^{-2}}$$

1)  $(2.45 \times 10^6) - (2.24 \times 10^6)$

2)  $(1.8 \times 10^8) + (0.9 \times 10^9)$

3)  $(6.48 \times 10^4) - (4.1 \times 10^3)$

4)  $(7.7 \times 10^{-4}) + (0.64 \times 10^{-2})$

5)  $(4 \times 10^{11}) + (4.9 \times 10^{11})$

6)  $(1.2 \times 10^{12}) - (0.6 \times 10^{11})$

7)  $(5.9 \times 10^3) + (1.8 \times 10^3)$

8)  $(9.1 \times 10^{-6}) - (7 \times 10^{-8})$



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## Answer key

SN:27

Simplify and express the answer in scientific notation.

$$(2.6 \times 10^{-2}) - (4 \times 10^{-4})$$

Make the exponents same before adding or subtracting.

$$= (2.6 \times 10^{-2}) + (0.04 \times 10^{-2})$$

$$= \mathbf{2.56 \times 10^{-2}}$$

1)  $(2.45 \times 10^6) - (2.24 \times 10^6)$

$$\mathbf{2.1 \times 10^5}$$

2)  $(1.8 \times 10^8) + (0.9 \times 10^9)$

$$\mathbf{1.08 \times 10^9}$$

3)  $(6.48 \times 10^4) - (4.1 \times 10^3)$

$$\mathbf{6.07 \times 10^4}$$

4)  $(7.7 \times 10^{-4}) + (0.64 \times 10^{-2})$

$$\mathbf{7.17 \times 10^{-1}}$$

5)  $(4 \times 10^{11}) + (4.9 \times 10^{11})$

$$\mathbf{8.9 \times 10^{11}}$$

6)  $(1.2 \times 10^{12}) - (0.6 \times 10^{11})$

$$\mathbf{1.14 \times 10^{12}}$$

7)  $(5.9 \times 10^3) + (1.8 \times 10^3)$

$$\mathbf{7.7 \times 10^3}$$

8)  $(9.1 \times 10^{-6}) - (7 \times 10^{-8})$

$$\mathbf{9.03 \times 10^{-6}}$$