SCIENTIFIC NOTATION

Simplify and express the answer in scientific notation.

$(5.2 \times 10^2) + (8.5 \times 10^3)$

Make the exponents same before adding or subtracting.

$= (0.52 \times 10^3) + (8.5 \times 10^3)$

$\mathbf{= 9.02 \times 10^3}$

1) $(7.8 \times 10^2) + (10 \times 10^4)$

5) $(4.9 \times 10^7) - (8.8 \times 10^6)$

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

6) $(0.81 \times 10^{-3}) + (1.5 \times 10^{-3})$

3) $(2.5 \times 10^8) + (0.6 \times 10^8)$

7) $(5.61 \times 10^{-7}) + (4.5 \times 10^{-7})$

4) $(8.6 \times 10^{15}) - (4.1 \times 10^{14})$

8) $(6.4 \times 10^3) - (0.9 \times 10^3)$

SCIENTIFIC NOTATION

Answer key

Simplify and express the answer in scientific notation.

$(5.2 \times 10^2) + (8.5 \times 10^3)$

Make the exponents same before adding or subtracting.

$= (0.52 \times 10^3) + (8.5 \times 10^3)$

$= 9.02 \times 10^3$

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1) $(7.8 \times 10^2) + (10 \times 10^4)$

1.0078×10^5

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

5.9×10^6

3) $(2.5 \times 10^8) + (0.6 \times 10^8)$

3.1×10^8

4) $(8.6 \times 10^{15}) - (4.1 \times 10^{14})$

8.19×10^{15}

5) $(4.9 \times 10^7) - (8.8 \times 10^6)$

4.02×10^7

6) $(0.81 \times 10^{-3}) + (1.5 \times 10^{-3})$

2.31×10^{-3}

7) $(5.61 \times 10^{-7}) + (4.5 \times 10^{-7})$

1.011×10^{-6}

8) $(6.4 \times 10^3) - (0.9 \times 10^3)$

5.5×10^3