Name : _____ Score : _____

Scientific Notation

Mixed operations: ES1

Simplify each problem and express the answer in scientific notation.

1) $(8 \times 10^5) + (5 \times 10^4)$

Answer : _____

2) $\dfrac{7 \times 10^6}{2 \times 10^3}$

Answer : _____

3) $(3 \times 10^4) - (5 \times 10^2)$

Answer : _____

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

Answer : _____

5) $\dfrac{9 \times 10^3}{2 \times 10}$

Answer : _____

6) $(8 \times 10^3)\,(3 \times 10^4)$

Answer : _____

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

Answer : _____

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

Answer : _____

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

Answer : _____

10) $(2 \times 10^3)\,(5 \times 10^4)$

Answer : _____

Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: ES1

Simplify each problem and express the answer in scientific notation.

1) $(8 \times 10^5) + (5 \times 10^4)$

Answer : 8.5×10^5

2) $\dfrac{7 \times 10^6}{2 \times 10^3}$

Answer : 3.5×10^3

3) $(3 \times 10^4) - (5 \times 10^2)$

Answer : 2.95×10^4

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

Answer : 8×10^4

5) $\dfrac{9 \times 10^3}{2 \times 10}$

Answer : 4.5×10^2

6) $(8 \times 10^3)\,(3 \times 10^4)$

Answer : 2.4×10^8

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

Answer : 4.97×10^8

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

Answer : 6.07×10^7

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

Answer : 9.04×10^4

10) $(2 \times 10^3)\,(5 \times 10^4)$

Answer : 1×10^8

Name : _____ Score : _____

Scientific Notation

Mixed operations: ES2

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) $(5 \times 10^6)\ (7 \times 1($

Answer : _____

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

Answer : _____

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

Answer : _____

$10^4)$

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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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: ES2

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) $(5 \times 10^6)\ (7 \times 1$

Answer : 5×10^3

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

Answer : 7 $\times 10^{15}$

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

Answer : 2.75×10^3

$10^4)$

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}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: ES3

Simplify each problem and express the answer in scientific notation.

1) $(6 \times 10^6) - (8 \times 10^3)$

Answer : _____

2) $\dfrac{2 \times 10^5}{5 \times 10^3}$

Answer : _____

3) $(4 \times 10^6)\ (9 \times 1$ … $0^7)$

Answer : _____

5) $(5 \times 10^8)\ (11 \times 1$ … $^8)$

Answer : _____

7) $(6 \times 10^6) - (10 \times$ … $0^4)$

Answer : _____

9) $(3 \times 10^8) + (13 \times 10^6)$

Answer : _____

10) $\dfrac{5 \times 10^8}{2 \times 10^4}$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: ES3

Simplify each problem and express the answer in scientific notation.

1) $(6 \times 10^6) - (8 \times 10^3)$

Answer : 5.992×10^6

2) $\dfrac{2 \times 10^5}{5 \times 10^3}$

Answer : 4×10

3) $(4 \times 10^6)\ (9 \times 10$ ... $0^7)$

Answer : ... 07×10^7

5) $(5 \times 10^8)\ (11 \times 1$ ... $^8)$

Answer : ... 8×10^{14}

7) $(6 \times 10^6) - (10 \times$ ... $0^4)$

Answer : 5.9×10^6

Answer : 3.09×10^4

9) $(3 \times 10^8) + (13 \times 10^6)$

Answer : 3.13×10^8

10) $\dfrac{5 \times 10^8}{2 \times 10^4}$

Answer : 2.5×10^4

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Name : _____ Score : _____

Scientific Notation

Mixed operations: MS1

Simplify each problem and express the answer in scientific notation.

1) $(6 \times 10^{-5}) + (2 \times 10^{-1})$

Answer : _____

2) $(9 \times 10^{4})\ (5 \times 10^{7})$

Answer : _____

3) $\dfrac{8 \times 10^{-6}}{4 \times 10^{-2}}$

Answer : _____

$)^{6})$

5) $(9 \times 10^{2}) - (3 \times$

Answer : _____

$0^{7})$

7) $(5 \times 10^{6})\ (4 \times 1($

Answer : _____

Answer : _____

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

Answer : _____

10) $(5 \times 10^{3})\ (5 \times 10^{-1})$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: MS1

Simplify each problem and express the answer in scientific notation.

1) $(6 \times 10^{-5}) + (2 \times 10^{-1})$

Answer : 2.0006×10^{-1}

2) $(9 \times 10^{4})\ (5 \times 10^{7})$

Answer : 4.5×10^{12}

3) $\dfrac{8 \times 10^{-6}}{4 \times 10^{-2}}$

Answer : ...

...^{6})

...98×10^{9}

5) $(9 \times 10^{2}) - (3 \times$ ...

Answer : 8. ...

...^{7})

...07×10^{7}

7) $(5 \times 10^{6})\ (4 \times 10$ ...

Answer : 2×10^{16}

Answer : 3.75×10^{-5}

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

Answer : 7.002×10^{-3}

10) $(5 \times 10^{3})\ (5 \times 10^{-1})$

Answer : 2.5×10^{3}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: MS2

Simplify each problem and express the answer in scientific notation.

1) $(4 \times 10^{-2}) - (6 \times 10^{-5})$

Answer : _____

2) $(10 \times 10^{3}) + (2 \times 10^{7})$

Answer : _____

3) $\dfrac{6 \times 10^{6}}{5 \times 10^{2}}$

Answer : _____

5) $(8 \times 10^{6}) - (5 \times$

Answer : _____

7) $(2 \times 10^{-7})\ (5 \times 1$

Answer : _____

9) $(10 \times 10^{-3}) - (2 \times 10^{-6})$

Answer : _____

10) $\dfrac{8 \times 10^{-9}}{5 \times 10^{-5}}$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: MS2

Simplify each problem and express the answer in scientific notation.

1) $(4 \times 10^{-2}) - (6 \times 10^{-5})$

Answer : 3.994×10^{-2}

2) $(10 \times 10^{3}) + (2 \times 10^{7})$

Answer : 2.001×10^{7}

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

Answer : 5×10^{-14}

5) $(8 \times 10^{6}) - (5 \times$

Answer : 7 006×10^{2}

7) $(2 \times 10^{-7})\ (5 \times 1$

Answer : 1×10^{-9}

Answer : 3.0004×10^{7}

9) $(10 \times 10^{-3}) - (2 \times 10^{-6})$

Answer : 9.998×10^{-3}

10) $\frac{8 \times 10^{-9}}{5 \times 10^{-5}}$

Answer : 1.6×10^{-4}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: MS3

Simplify each problem and express the answer in scientific notation.

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

Answer : _____

2) $(9 \times 10^{-9}) + (3 \times 10^{-5})$

Answer : _____

3) $(5 \times 10^8) - (1 \times$

Answer : _____

5) $(9 \times 10^5) + (3 \times$

Answer : _____

7) $(5 \times 10^{-8})\ (3 \times 1$

Answer : _____

9) $(9 \times 10^6) - (4 \times 10^3)$

Answer : _____

10) $(2 \times 10^{-4}) + (5 \times 10^{-7})$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: MS3

Simplify each problem and express the answer in scientific notation.

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

Answer : 2×10^3

2) $(9 \times 10^{-9}) + (3 \times 10^{-5})$

Answer : 3.0009×10^{-5}

3) $(5 \times 10^8) - (1 \times$ [illegible] $)$

Answer : 4. [illegible] 2×10^{14}

5) $(9 \times 10^5) + (3 \times$ [illegible]

Answer : 9 [illegible] 75×10^{-5}

7) $(5 \times 10^{-8})\ (3 \times 1$ [illegible]

Answer : 1.5×10^{-12}

Answer : 1.5×10^4

9) $(9 \times 10^6) - (4 \times 10^3)$

Answer : 8.996×10^6

10) $(2 \times 10^{-4}) + (5 \times 10^{-7})$

Answer : 2.005×10^{-4}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: DS1

Simplify each problem and express the answer in scientific notation.

1) $\dfrac{3.2 \times 10^4}{1.6 \times 10^2}$

Answer : _____

2) $(7.1 \times 10^{-2}) + (5.02 \times 10^{-4})$

Answer : _____

3) $(4.8 \times 10^6) - (9.$ $\times 10^2)$

Answer : _____

5) $(5.98 \times 10^{-2}) + ($

Answer : _____

7) $(2.08 \times 10^{-7})\ (8.$

Answer : _____

9) $(6.5 \times 10^7) - (3.1 \times 10^4)$

Answer : _____

10) $(1.98 \times 10^{-3}) + (5.2 \times 10^{-6})$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: DS1

Simplify each problem and express the answer in scientific notation.

1) $\frac{3.2 \times 10^4}{1.6 \times 10^2}$

Answer : 2×10^2

2) $(7.1 \times 10^{-2}) + (5.02 \times 10^{-4})$

Answer : 7.1502×10^{-2}

3) $(4.8 \times 10^6) - (9.$ [illegible] $\times 10^2)$

Answer : 4 [illegible] 766×10^2

5) $(5.98 \times 10^{-2}) + ($ [illegible]

Answer : 6 [illegible] $.3 \times 10^3$

7) (2.08×10^{-7}) (8. [illegible]

Answer : 1.6848×10^{-11}

Answer : 4.5×10^3

9) $(6.5 \times 10^7) - (3.1 \times 10^4)$

Answer : 6.4969×10^7

10) $(1.98 \times 10^{-3}) + (5.2 \times 10^{-6})$

Answer : 1.9852×10^{-3}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: DS2

Simplify each problem and express the answer in scientific notation.

1) $(4.02 \times 10^{-3}) - (6.8 \times 10^{-4})$

Answer : _____

2) $(6.4 \times 10^{4}) + (2.8 \times 10^{7})$

Answer : _____

3) $\dfrac{1.12 \times 10^{4}}{2.8 \times 10^{2}}$

Answer : _____

$\times 10^{-5})$

_____

5) $(4.08 \times 10^{2}) - (5$

Answer : _____

$3 \times 10^{5})$

_____

7) $(6.44 \times 10^{5})\ (7.8$

Answer : _____

Answer : _____

9) $(9.78 \times 10^{-3}) - (7.2 \times 10^{-6})$

Answer : _____

10) $(2.4 \times 10^{4}) + (1.89 \times 10^{5})$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: DS2

Simplify each problem and express the answer in scientific notation.

1) $(4.02 \times 10^{-3}) - (6.8 \times 10^{-4})$

Answer : 3.34×10^{-3}

2) $(6.4 \times 10^{4}) + (2.8 \times 10^{7})$

Answer : 2.8064×10^{7}

3) $\dfrac{1.12 \times 10^{4}}{2.8 \times 10^{2}}$

Answer : [illegible]

[illegible] $\times 10^{-5})$

Answer : [illegible] 501×10^{-12}

5) $(4.08 \times 10^{2}) - (5$ [illegible] $3 \times 10^{5})$

Answer : 4. [illegible] 329×10^{5}

7) (6.44×10^{5}) (7.8 [illegible]

Answer : 5.0232×10^{8}

Answer : 2×10^{-3}

9) $(9.78 \times 10^{-3}) - (7.2 \times 10^{-6})$

Answer : 9.7728×10^{-3}

10) $(2.4 \times 10^{4}) + (1.89 \times 10^{5})$

Answer : 2.13×10^{5}

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Name : _____ Score : _____

Scientific Notation

Mixed operations: DS3

Simplify each problem and express the answer in scientific notation.

1) $(4.2 \times 10^{-2}) + (7.1 \times 10)$

Answer : _____

2) $(8.6 \times 10^{3})\ (2.04 \times 10^{5})$

Answer : _____

3) $\dfrac{7.5 \times 10^{-4}}{1.5 \times 10^{-1}}$

Answer : _____

$\times 10^{6})$

5) $(2.05 \times 10^{2}) - (8$

Answer : _____

$\times 10^{6})$

7) $(5.18 \times 10^{7})\ (9.2$

Answer : _____

Answer : _____

9) $(7.3 \times 10^{-5}) + (9.12 \times 10^{-3})$

Answer : _____

10) $(4.7 \times 10^{4})\ (6.25 \times 10)$

Answer : _____

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Name : _____ **Answer key** Score : _____

Scientific Notation

Mixed operations: DS3

Simplify each problem and express the answer in scientific notation.

1) $(4.2 \times 10^{-2}) + (7.1 \times 10)$

Answer : 7.1042×10

2) $(8.6 \times 10^{3})\ (2.04 \times 10^{5})$

Answer : 1.7544×10^{9}

3) $\dfrac{7.5 \times 10^{-4}}{1.5 \times 10^{-1}}$

Answer : [illegible]

[illegible] $\times 10^{6})$

[illegible]685×10^{8}

5) $(2.05 \times 10^{2}) - (8$[illegible]

Answer : 2.[illegible]

[illegible] $\times 10^{6})$

[illegible]047×10^{6}

7) $(5.18 \times 10^{7})\ (9.2$[illegible]

Answer : 4.7915×10^{17}

Answer : 3×10^{-1}

9) $(7.3 \times 10^{-5}) + (9.12 \times 10^{-3})$

Answer : 9.193×10^{-3}

10) $(4.7 \times 10^{4})\ (6.25 \times 10)$

Answer : 2.9375×10^{6}

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