Name: _____

MATH
MONKS

Date: _____ Score: _____

Operations with Scientific Notation Worksheet

Perform the given operations and express the answers in scientific notation.

1) $(8.41 \times 10^{-5}) - (7.9 \times 10^{-6})$

_____

2) $(11 \times 10^{4}) + (7.8 \times 10^{5})$

_____

3) $(9 \times 10^{5}) + (4.5 \times 10^{6})$

_____

4) $\dfrac{8.1 \times 10^{-2}}{9.0 \times 10^{2}}$

_____

5) $(6 \times 10^{3})(9.91 \times 10^{0})$

_____

6) $\dfrac{3 \times 10^{-2}}{8 \times 10^{-1}}$

_____

7) $(6.0 \times 10^{3})(1.5 \times 10^{-2})$

_____

8) $(6 \times 10^{3}) - (11 \times 10^{2})$

_____

9) $(8.8 \times 10^{-5})^{-5}$

_____

10) $(1.6 \times 10^{6})(2 \times 10^{3})$

_____

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Operations with Scientific Notation Worksheet

Answers

1) $(8.41 \times 10^{-5}) - (7.9 \times 10^{-6})$

$\underline{7.62 \times 10^{-5}}$

2) $(11 \times 10^{4}) + (7.8 \times 10^{5})$

$\underline{8.9 \times 10^{5}}$

3) $(9 \times 10^{5}) + (4.5 \times 10^{6})$

$\underline{5.4 \times 10^{6}}$

4) $\dfrac{8.1 \times 10^{-2}}{9.0 \times 10^{2}}$

$\underline{9 \times 10^{-5}}$

5) $(6 \times 10^{3})(9.91 \times 10^{0})$

$\underline{5.946 \times 10^{4}}$

6) $\dfrac{3 \times 10^{-2}}{8 \times 10^{-1}}$

$\underline{3.75 \times 10^{-2}}$

7) $(6.0 \times 10^{3})(1.5 \times 10^{-2})$

$\underline{9 \times 10^{1}}$

8) $(6 \times 10^{3}) - (11 \times 10^{2})$

$\underline{49 \times 10^{2}}$

9) $(8.8 \times 10^{-5})^{-5}$

$\underline{1.895 \times 10^{20}}$

10) $(1.6 \times 10^{6})(2 \times 10^{3})$

$\underline{3.2 \times 10^{9}}$