Name : _____

Scientific Notation

Simplify and express in scientific notation:

Example 1

$(6 \times 10^3)(2 \times 10^5)$

$(6 \times 10^3)(2 \times 10^5) = 12 \times 10^3 \times 10^5$

$= 12 \times 10^8$

$= \mathbf{1.2 \times 10^9}$

Example 2

$\dfrac{18 \times 10^6}{4 \times 10^4} = \dfrac{18}{4} \times 10^6 \times 10^{-4}$

$= \mathbf{4.5 \times 10^2}$

Simplify each problem and express the answer in scientific notation.

1) $(7 \times 10^8)(9 \times 1$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

3) $\dfrac{4 \times 10^9}{5 \times 10^7}$ $10^4)$

5) $(3 \times 10^7)(9 \times 1$

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

8) $(11 \times 10^4)(7 \times 10^2)$