

Name _____ Date _____

Multiplication/Division with Scientific Notation: Lesson

Problem: Multiply: $(2 \times 10^{-6}) \cdot (4 \times 10^8)$

Solution:

Step 1:

$$= 2 \cdot 4 \qquad = 8$$

Step 2:

Now multiply the powers = $10^{-6+8} = 10^2$

Step 3:

$$= 8 \times 10^2$$

Step 4:

Answer: 8×10^2

Practice Problems

A. $(2 \times 10^{-6}) \cdot (6 \times 10^8)$

B. $(1.5 \times 10^4) / (2 \times 10^{-2})$