Lesson 6.3 Practice: Scientific Notation

School Launch · Pre-Algebra · Unit 6: Exponents and Square Roots · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Write $520{,}000{,}000$ in scientific notation. EASY

2. Write $250{,}000{,}000$ in scientific notation. EASY

3. Write $750{,}000{,}000$ in scientific notation. EASY

4. Compute and write in scientific notation (round to 3 significant digits): $(2.9 \times 10^{5}) \times (2.5 \times 10^{-5})$.
MEDIUM

5. Compute and write in scientific notation (round to 3 significant digits): $(4.7 \times 10^{6}) \times (3.3 \times 10^{1})$.
MEDIUM

6. Compute and write in scientific notation (round to 3 significant digits): $(1.9 \times 10^{6}) \times (1.9 \times 10^{1})$.
MEDIUM

7. Compute and write in scientific notation (round to 3 significant digits): $(3.4 \times 10^{2}) \times (3.3 \times 10^{-5})$.
MEDIUM

8. Compute and write in scientific notation (round to 3 significant digits): $(2.4 \times 10^{7}) \div (4.3 \times 10^{0})$. HARD

9. Compute and write in scientific notation (round to 3 significant digits): $(3.8 \times 10^{4}) \div (4.5 \times 10^{0})$. HARD

10. Compute and write in scientific notation (round to 3 significant digits): $(1.3 \times 10^{8}) \div (4.4 \times 10^{-5})$.
HARD