

Skill Practice 4

Numbers Practice

Name: _____

Date: _____

1. Solve the following problems. Write answers in scientific notation.

a) $(7.430 \times 10^4)(3.0 \times 10^2) = \underline{2.229 \times 10^7}$

b) $8.03 \times 10^6 + 4.0 \times 10^4 = \underline{8.07 \times 10^6}$

c) $(2.22 \times 10^{-12}) / (4.10 \times 10^{-33}) = \underline{5.41 \times 10^{20}}$

d) $(35,020)(321.0) = \underline{1.12 \times 10^7}$

e) $3.22 \times 10^{12} - 2.44 \times 10^{11} = \underline{2.976 \times 10^{12}}$

f) $(6.32 \times 10^{-32}) \div (8.19 \times 10^{-36}) = \underline{7.72 \times 10^3 \text{ or } 7716}$

2. Convert the following numbers to scientific notation:

a) $23,000,210,000 = \underline{2.300021 \times 10^{10}}$ b) $0.00000000351 = \underline{3.51 \times 10^{-9}}$

3. Convert the following numbers to "regular" notation:

a) $2.354 \times 10^5 = \underline{235,400}$ b) $3.400 \times 10^{-9} = \underline{0.000000003400}$