Name: _____

Scientific Notation

Write each exponent in standard form.

a. 10^3 = _____ **b.** 10^{-2} = _____

c. 10^9 = _____ **d.** 10^{-7} = _____

Write each number in standard form.

e. 6×10^{-4} = _____ **f.** 1.8×10^6 = _____

g. 4.7×10^8 = _____ **h.** 7.8×10^{-5} = _____

i. 3.14×10^{-3} = _____ **j.** 7.11×10^9 = _____

k. 4×10^{-10} = _____ **l.** 9.8007×10^{10} = _____

Write each number in scientific notation.

m. 30,000 = _____ **n.** 0.00012 = _____

o. 0.000099 = _____ **p.** 40,000,000,000 = _____

q. 840,700,000 = _____ **r.** 0.000000144 = _____

s. .00667 = _____ **t.** 501,000,000,000,000 = _____

u. 6 thousandth = _____ **v.** 600 thousand = _____

ANSWER KEY

Scientific Notation

Write each exponent in standard form.

a. 10^3 = **1,000**

b. 10^{-2} = **0.01**

c. 10^9 = **1,000,000,000**

d. 10^{-7} = **0.0000001**

Write each number in standard form.

e. 6×10^{-4} = **0.0006**

f. 1.8×10^6 = **1,800,000**

g. 4.7×10^8 = **470,000,000**

h. 7.8×10^{-5} = **0.000078**

i. 3.14×10^{-3} = **0.00314**

j. 7.11×10^9 = **7,110,000,000**

k. 4×10^{-10} = **.0000000004**

l. 9.8007×10^{10} = **98,007,000,000**

Write each number in scientific notation.

m. 30,000 = **3×10^4**

n. 0.00012 = **1.2×10^{-4}**

o. 0.000099 = **9.9×10^{-5}**

p. 40,000,000,000 = **4×10^{10}**

q. 840,700,000 = **8.407×10^8**

r. 0.000000144 = **1.44×10^{-7}**

s. .00667 = **6.67×10^{-3}**

t. 501,000,000,000,000 = **5.01×10^{14}**

u. 6 thousandth = **6×10^{-3}**

v. 600 thousand = **6×10^5**