

Name: _____

Scientific Notation

Write each exponent in standard form.

a. $10^2 =$ _____

b. $10^5 =$ _____

c. $10^7 =$ _____

d. $10^9 =$ _____

Write each number in standard form.

e. $6 \times 10^4 =$ _____

f. $8 \times 10^7 =$ _____

g. $1.9 \times 10^3 =$ _____

h. $4.3 \times 10^6 =$ _____

i. $2.301 \times 10^5 =$ _____

j. $2.11 \times 10^8 =$ _____

k. $4.1298 \times 10^4 =$ _____

l. $8.2002 \times 10^{10} =$ _____

Write each number in scientific notation.

m. 80,000 = _____

n. 5,100 = _____

o. 698,000 = _____

p. 4,220 = _____

q. 5,309,000 = _____

r. 610,000,000 = _____

s. 82,000,000 = _____

t. 70,100,000,000 = _____

u. 11 million = _____

v. 340 thousand = _____

ANSWER KEY

Scientific Notation

Write each exponent in standard form.

a. $10^2 = \underline{100}$

b. $10^5 = \underline{100,000}$

c. $10^7 = \underline{10,000,000}$

d. $10^9 = \underline{1,000,000,000}$

Write each number in standard form.

e. $6 \times 10^4 = \underline{60,000}$

f. $8 \times 10^7 = \underline{80,000,000}$

g. $1.9 \times 10^3 = \underline{1,900}$

h. $4.3 \times 10^6 = \underline{4,300,000}$

i. $2.301 \times 10^5 = \underline{230,100}$

j. $2.11 \times 10^8 = \underline{211,000,000}$

k. $4.1298 \times 10^4 = \underline{41,298}$

l. $8.2002 \times 10^{10} = \underline{82,002,000,000}$

Write each number in scientific notation.

m. $80,000 = \underline{8 \times 10^4}$

n. $5,100 = 5.1 \times \underline{10^3}$

o. $698,000 = \underline{6.98 \times 10^5}$

p. $4,220 = \underline{4.22 \times 10^3}$

q. $5,309,000 = \underline{5.309 \times 10^6}$

r. $610,000,000 = \underline{6.1 \times 10^8}$

s. $82,000,000 = \underline{8.2 \times 10^7}$

t. $70,100,000,000 = \underline{7.01 \times 10^{10}}$

u. $11 \text{ million} = \underline{1.1 \times 10^7}$

v. $340 \text{ thousand} = \underline{3.4 \times 10^5}$