

Write using standard notation.

(25)  $4 \times 10^3 = \underline{4,000}$

(29)  $1.4 \times 10^0 = \underline{1.4}$

(26)  $9.1 \times 10^{-3} = \underline{0.0091}$

(30)  $1.4 \times 10^1 = \underline{14}$

(27)  $1.012 \times 10^6 = \underline{1,012,000}$

(31)  $1.4 \times 10^{-9} = \underline{0.0000000014}$

(28)  $6.699 \times 10^{-5} = \underline{0.00006699}$

(32)  $8.9 \times 10^{-1} = \underline{0.89}$

Write using scientific notation (proper).

(33)  $0.00105 = \underline{1.05 \times 10^{-3}}$

(37)  $80 = \underline{8 \times 10^1}$

(34)  $9,600 = \underline{9.6 \times 10^3}$

(38)  $1,400,000 = \underline{1.4 \times 10^6}$

(35)  $0.0000081 = \underline{8.1 \times 10^{-6}}$

(39)  $10.4 \times 10^{-3} = \underline{1.04 \times 10^{-2}}$

(36)  $101 \times 10^4 = \underline{1.01 \times 10^6}$

(40)  $0.000000000001 = \underline{1 \times 10^{-13}}$

Match the prefix to its power of 10. Make sure you've memorized\*.

(41) pico, p h

a.  $10^3$

(42) nano, n d

b.  $10^{-3}$

(43) micro,  $\mu$  g

c.  $10^9$

(44) milli, m b

d.  $10^{-9}$

(45) centi, c f

e.  $10^6$

(46) kilo, k a

f.  $10^{-2}$

(47) mega, M e

g.  $10^{-6}$

(48) Giga, G c

h.  $10^{-12}$