
Scientific Notation (A)

Write each number in either standard form or scientific notation.

$2.71 \times 10^9 = \underline{\hspace{2cm}}$ $4.4296 \times 10^3 = \underline{\hspace{2cm}}$

$2.1 \times 10^6 = \underline{\hspace{2cm}}$ $1 \times 10^{-4} = \underline{\hspace{2cm}}$

$5.6 \times 10^{-5} = \underline{\hspace{2cm}}$ $2.68 \times 10^2 = \underline{\hspace{2cm}}$

$4.4 \times 10^{-9} = \underline{\hspace{2cm}}$ $8.26 \times 10^0 = \underline{\hspace{2cm}}$

$3.77185 \times 10^1 = \underline{\hspace{2cm}}$ $3.054 \times 10^{-9} = \underline{\hspace{2cm}}$

$7.8903 \times 10^{-1} = \underline{\hspace{2cm}}$ $5.73 \times 10^6 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 600$ $\underline{\hspace{2cm}} = 0.000000991$

$\underline{\hspace{2cm}} = 0.24$ $\underline{\hspace{2cm}} = 19,000$

$\underline{\hspace{2cm}} = 4.07369$ $\underline{\hspace{2cm}} = 2,399.1$

$\underline{\hspace{2cm}} = 816.3$ $\underline{\hspace{2cm}} = 36,683$

$\underline{\hspace{2cm}} = 0.077$ $\underline{\hspace{2cm}} = 0.000059$

$\underline{\hspace{2cm}} = 0.0033$ $\underline{\hspace{2cm}} = 0.63338$

Scientific Notation (A) Answers

Write each number in either standard form or scientific notation.

$$2.71 \times 10^9 = \underline{2,710,000,000} \qquad 4.4296 \times 10^3 = \underline{4,429.6}$$

$$2.1 \times 10^6 = \underline{2,100,000} \qquad 1 \times 10^{-4} = \underline{0.0001}$$

$$5.6 \times 10^{-5} = \underline{0.000056} \qquad 2.68 \times 10^2 = \underline{268}$$

$$4.4 \times 10^{-9} = \underline{0.0000000044} \qquad 8.26 \times 10^0 = \underline{8.26}$$

$$3.77185 \times 10^1 = \underline{37.7185} \qquad 3.054 \times 10^{-9} = \underline{0.000000003054}$$

$$7.8903 \times 10^{-1} = \underline{0.78903} \qquad 5.73 \times 10^6 = \underline{5,730,000}$$

$$\underline{6 \times 10^2} = 600 \qquad \underline{9.91 \times 10^{-7}} = 0.000000991$$

$$\underline{2.4 \times 10^{-1}} = 0.24 \qquad \underline{1.9 \times 10^4} = 19,000$$

$$\underline{4.07369 \times 10^0} = 4.07369 \qquad \underline{2.3991 \times 10^3} = 2,399.1$$

$$\underline{8.163 \times 10^2} = 816.3 \qquad \underline{3.6683 \times 10^4} = 36,683$$

$$\underline{7.7 \times 10^{-2}} = 0.077 \qquad \underline{5.9 \times 10^{-5}} = 0.000059$$

$$\underline{3.3 \times 10^{-3}} = 0.0033 \qquad \underline{6.3338 \times 10^{-1}} = 0.63338$$

Scientific Notation (B)

Write each number in either standard form or scientific notation.

$2 \times 10^{-7} = \underline{\hspace{2cm}}$

$5 \times 10^{-9} = \underline{\hspace{2cm}}$

$9.6866 \times 10^2 = \underline{\hspace{2cm}}$

$1.088 \times 10^{-4} = \underline{\hspace{2cm}}$

$3.867 \times 10^{-5} = \underline{\hspace{2cm}}$

$9.6 \times 10^{-1} = \underline{\hspace{2cm}}$

$4.5 \times 10^1 = \underline{\hspace{2cm}}$

$4.33984 \times 10^{-4} = \underline{\hspace{2cm}}$

$7.9947 \times 10^{-6} = \underline{\hspace{2cm}}$

$6.84 \times 10^{-8} = \underline{\hspace{2cm}}$

$5.2 \times 10^9 = \underline{\hspace{2cm}}$

$9.773 \times 10^{-7} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 0.009194$

$\underline{\hspace{2cm}} = 520$

$\underline{\hspace{2cm}} = 0.182$

$\underline{\hspace{2cm}} = 0.00000003$

$\underline{\hspace{2cm}} = 0.00098673$

$\underline{\hspace{2cm}} = 0.004875$

$\underline{\hspace{2cm}} = 0.01$

$\underline{\hspace{2cm}} = 0.6456$

$\underline{\hspace{2cm}} = 999.78$

$\underline{\hspace{2cm}} = 0.0549$

$\underline{\hspace{2cm}} = 0.000000167$

$\underline{\hspace{2cm}} = 44,000$

Scientific Notation (B) Answers

Write each number in either standard form or scientific notation.

$$2 \times 10^{-7} = \underline{0.0000002}$$

$$5 \times 10^{-9} = \underline{0.000000005}$$

$$9.6866 \times 10^2 = \underline{968.66}$$

$$1.088 \times 10^{-4} = \underline{0.0001088}$$

$$3.867 \times 10^{-5} = \underline{0.00003867}$$

$$9.6 \times 10^{-1} = \underline{0.96}$$

$$4.5 \times 10^1 = \underline{45}$$

$$4.33984 \times 10^{-4} = \underline{0.000433984}$$

$$7.9947 \times 10^{-6} = \underline{0.0000079947}$$

$$6.84 \times 10^{-8} = \underline{0.0000000684}$$

$$5.2 \times 10^9 = \underline{5,200,000,000}$$

$$9.773 \times 10^{-7} = \underline{0.0000009773}$$

$$\underline{9.194 \times 10^{-3}} = 0.009194$$

$$\underline{5.2 \times 10^2} = 520$$

$$\underline{1.82 \times 10^{-1}} = 0.182$$

$$\underline{3 \times 10^{-8}} = 0.00000003$$

$$\underline{9.8673 \times 10^{-4}} = 0.00098673$$

$$\underline{4.875 \times 10^{-3}} = 0.004875$$

$$\underline{1 \times 10^{-2}} = 0.01$$

$$\underline{6.456 \times 10^{-1}} = 0.6456$$

$$\underline{9.9978 \times 10^2} = 999.78$$

$$\underline{5.49 \times 10^{-2}} = 0.0549$$

$$\underline{1.67 \times 10^{-7}} = 0.000000167$$

$$\underline{4.4 \times 10^4} = 44,000$$

Scientific Notation (C)

Write each number in either standard form or scientific notation.

$9.0307 \times 10^0 = \underline{\hspace{2cm}}$

$3 \times 10^5 = \underline{\hspace{2cm}}$

$2.24749 \times 10^4 = \underline{\hspace{2cm}}$

$1.543 \times 10^9 = \underline{\hspace{2cm}}$

$3.2 \times 10^5 = \underline{\hspace{2cm}}$

$2 \times 10^{-1} = \underline{\hspace{2cm}}$

$8.27 \times 10^{-7} = \underline{\hspace{2cm}}$

$8.811 \times 10^0 = \underline{\hspace{2cm}}$

$5.81723 \times 10^4 = \underline{\hspace{2cm}}$

$1.40869 \times 10^3 = \underline{\hspace{2cm}}$

$6.367 \times 10^3 = \underline{\hspace{2cm}}$

$8.72 \times 10^{-1} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 0.00000954$

$\underline{\hspace{2cm}} = 40$

$\underline{\hspace{2cm}} = 0.000000047795$

$\underline{\hspace{2cm}} = 43$

$\underline{\hspace{2cm}} = 0.0322$

$\underline{\hspace{2cm}} = 0.00000008975$

$\underline{\hspace{2cm}} = 0.0855$

$\underline{\hspace{2cm}} = 0.000000060251$

$\underline{\hspace{2cm}} = 900,900,000$

$\underline{\hspace{2cm}} = 1,000,000$

$\underline{\hspace{2cm}} = 0.00389$

$\underline{\hspace{2cm}} = 0.0000000468811$

Scientific Notation (C) Answers

Write each number in either standard form or scientific notation.

$$9.0307 \times 10^0 = \underline{9.0307}$$

$$3 \times 10^5 = \underline{300,000}$$

$$2.24749 \times 10^4 = \underline{22,474.9}$$

$$1.543 \times 10^9 = \underline{1,543,000,000}$$

$$3.2 \times 10^5 = \underline{320,000}$$

$$2 \times 10^{-1} = \underline{0.2}$$

$$8.27 \times 10^{-7} = \underline{0.000000827}$$

$$8.811 \times 10^0 = \underline{8.811}$$

$$5.81723 \times 10^4 = \underline{58,172.3}$$

$$1.40869 \times 10^3 = \underline{1,408.69}$$

$$6.367 \times 10^3 = \underline{6,367}$$

$$8.72 \times 10^{-1} = \underline{0.872}$$

$$\underline{9.54 \times 10^{-6}} = 0.00000954$$

$$\underline{4 \times 10^1} = 40$$

$$\underline{4.7795 \times 10^{-8}} = 0.000000047795$$

$$\underline{4.3 \times 10^1} = 43$$

$$\underline{3.22 \times 10^{-2}} = 0.0322$$

$$\underline{8.975 \times 10^{-8}} = 0.00000008975$$

$$\underline{8.55 \times 10^{-2}} = 0.0855$$

$$\underline{6.0251 \times 10^{-8}} = 0.000000060251$$

$$\underline{9.009 \times 10^8} = 900,900,000$$

$$\underline{1 \times 10^6} = 1,000,000$$

$$\underline{3.89 \times 10^{-3}} = 0.00389$$

$$\underline{4.68811 \times 10^{-8}} = 0.0000000468811$$

Scientific Notation (D)

Write each number in either standard form or scientific notation.

$4.8 \times 10^5 = \underline{\hspace{2cm}}$ $5.21435 \times 10^3 = \underline{\hspace{2cm}}$

$1 \times 10^{-8} = \underline{\hspace{2cm}}$ $9.78 \times 10^{-4} = \underline{\hspace{2cm}}$

$3.9 \times 10^2 = \underline{\hspace{2cm}}$ $2.5 \times 10^{-5} = \underline{\hspace{2cm}}$

$9.405 \times 10^4 = \underline{\hspace{2cm}}$ $8.05294 \times 10^{-7} = \underline{\hspace{2cm}}$

$6.9685 \times 10^4 = \underline{\hspace{2cm}}$ $3 \times 10^{-6} = \underline{\hspace{2cm}}$

$9.3 \times 10^{-1} = \underline{\hspace{2cm}}$ $7.089 \times 10^7 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 1,000,000,000$ $\underline{\hspace{2cm}} = 0.0000000976$

$\underline{\hspace{2cm}} = 0.0194$ $\underline{\hspace{2cm}} = 30,000,000$

$\underline{\hspace{2cm}} = 3,680,000$ $\underline{\hspace{2cm}} = 2,400,000$

$\underline{\hspace{2cm}} = 0.00000000240789$ $\underline{\hspace{2cm}} = 9,298,500$

$\underline{\hspace{2cm}} = 7,000,000,000$ $\underline{\hspace{2cm}} = 200,000$

$\underline{\hspace{2cm}} = 848.3$ $\underline{\hspace{2cm}} = 0.000045678$

Scientific Notation (D) Answers

Write each number in either standard form or scientific notation.

$$4.8 \times 10^5 = \underline{480,000} \qquad 5.21435 \times 10^3 = \underline{5,214.35}$$

$$1 \times 10^{-8} = \underline{0.00000001} \qquad 9.78 \times 10^{-4} = \underline{0.000978}$$

$$3.9 \times 10^2 = \underline{390} \qquad 2.5 \times 10^{-5} = \underline{0.000025}$$

$$9.405 \times 10^4 = \underline{94,050} \qquad 8.05294 \times 10^{-7} = \underline{0.000000805294}$$

$$6.9685 \times 10^4 = \underline{69,685} \qquad 3 \times 10^{-6} = \underline{0.000003}$$

$$9.3 \times 10^{-1} = \underline{0.93} \qquad 7.089 \times 10^7 = \underline{70,890,000}$$

$$\underline{1 \times 10^9} = 1,000,000,000 \qquad \underline{9.76 \times 10^{-8}} = 0.0000000976$$

$$\underline{1.94 \times 10^{-2}} = 0.0194 \qquad \underline{3 \times 10^7} = 30,000,000$$

$$\underline{3.68 \times 10^6} = 3,680,000 \qquad \underline{2.4 \times 10^6} = 2,400,000$$

$$\underline{2.40789 \times 10^{-9}} = 0.00000000240789 \qquad \underline{9.2985 \times 10^6} = 9,298,500$$

$$\underline{7 \times 10^9} = 7,000,000,000 \qquad \underline{2 \times 10^5} = 200,000$$

$$\underline{8.483 \times 10^2} = 848.3 \qquad \underline{4.5678 \times 10^{-5}} = 0.000045678$$

Scientific Notation (E)

Write each number in either standard form or scientific notation.

$2.41311 \times 10^{-4} = \underline{\hspace{2cm}}$ $2.31176 \times 10^0 = \underline{\hspace{2cm}}$

$6 \times 10^{-2} = \underline{\hspace{2cm}}$ $1.805 \times 10^4 = \underline{\hspace{2cm}}$

$1 \times 10^5 = \underline{\hspace{2cm}}$ $1 \times 10^2 = \underline{\hspace{2cm}}$

$7.84 \times 10^2 = \underline{\hspace{2cm}}$ $7.434 \times 10^{-8} = \underline{\hspace{2cm}}$

$6 \times 10^{-5} = \underline{\hspace{2cm}}$ $2 \times 10^{-6} = \underline{\hspace{2cm}}$

$7.08395 \times 10^{-2} = \underline{\hspace{2cm}}$ $6.66 \times 10^2 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 18,280$ $\underline{\hspace{2cm}} = 0.017$

$\underline{\hspace{2cm}} = 0.00002$ $\underline{\hspace{2cm}} = 0.9691$

$\underline{\hspace{2cm}} = 639,950,000$ $\underline{\hspace{2cm}} = 0.0000023675$

$\underline{\hspace{2cm}} = 0.000042$ $\underline{\hspace{2cm}} = 334$

$\underline{\hspace{2cm}} = 0.93685$ $\underline{\hspace{2cm}} = 80,000,000$

$\underline{\hspace{2cm}} = 0.00005$ $\underline{\hspace{2cm}} = 0.0000436$

Scientific Notation (E) Answers

Write each number in either standard form or scientific notation.

$$2.41311 \times 10^{-4} = \underline{0.000241311} \quad 2.31176 \times 10^0 = \underline{2.31176}$$

$$6 \times 10^{-2} = \underline{0.06} \quad 1.805 \times 10^4 = \underline{18,050}$$

$$1 \times 10^5 = \underline{100,000} \quad 1 \times 10^2 = \underline{100}$$

$$7.84 \times 10^2 = \underline{784} \quad 7.434 \times 10^{-8} = \underline{0.00000007434}$$

$$6 \times 10^{-5} = \underline{0.00006} \quad 2 \times 10^{-6} = \underline{0.000002}$$

$$7.08395 \times 10^{-2} = \underline{0.0708395} \quad 6.66 \times 10^2 = \underline{666}$$

$$\underline{1.828 \times 10^4} = 18,280 \quad \underline{1.7 \times 10^{-2}} = 0.017$$

$$\underline{2 \times 10^{-5}} = 0.00002 \quad \underline{9.691 \times 10^{-1}} = 0.9691$$

$$\underline{6.3995 \times 10^8} = 639,950,000 \quad \underline{2.3675 \times 10^{-6}} = 0.0000023675$$

$$\underline{4.2 \times 10^{-5}} = 0.000042 \quad \underline{3.34 \times 10^2} = 334$$

$$\underline{9.3685 \times 10^{-1}} = 0.93685 \quad \underline{8 \times 10^7} = 80,000,000$$

$$\underline{5 \times 10^{-5}} = 0.00005 \quad \underline{4.36 \times 10^{-5}} = 0.0000436$$

Scientific Notation (F)

Write each number in either standard form or scientific notation.

$8.7785 \times 10^{-8} = \underline{\hspace{2cm}}$ $6.161 \times 10^{-3} = \underline{\hspace{2cm}}$

$1.3622 \times 10^{-8} = \underline{\hspace{2cm}}$ $2.05 \times 10^2 = \underline{\hspace{2cm}}$

$9 \times 10^4 = \underline{\hspace{2cm}}$ $4.9 \times 10^3 = \underline{\hspace{2cm}}$

$1.93658 \times 10^{-2} = \underline{\hspace{2cm}}$ $9.00491 \times 10^{-4} = \underline{\hspace{2cm}}$

$2.39 \times 10^{-8} = \underline{\hspace{2cm}}$ $4.147 \times 10^{-7} = \underline{\hspace{2cm}}$

$6.289 \times 10^4 = \underline{\hspace{2cm}}$ $8.4 \times 10^{-5} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 177,398,000$ $\underline{\hspace{2cm}} = 0.7774$

$\underline{\hspace{2cm}} = 7,129,000,000$ $\underline{\hspace{2cm}} = 0.000000002$

$\underline{\hspace{2cm}} = 55,118.1$ $\underline{\hspace{2cm}} = 0.000296517$

$\underline{\hspace{2cm}} = 0.000013051$ $\underline{\hspace{2cm}} = 60,000,000$

$\underline{\hspace{2cm}} = 3.15414$ $\underline{\hspace{2cm}} = 13.5211$

$\underline{\hspace{2cm}} = 752,000,000$ $\underline{\hspace{2cm}} = 716.96$

Scientific Notation (F) Answers

Write each number in either standard form or scientific notation.

$$8.7785 \times 10^{-8} = \underline{0.000000087785}$$

$$6.161 \times 10^{-3} = \underline{0.006161}$$

$$1.3622 \times 10^{-8} = \underline{0.000000013622}$$

$$2.05 \times 10^2 = \underline{205}$$

$$9 \times 10^4 = \underline{90,000}$$

$$4.9 \times 10^3 = \underline{4,900}$$

$$1.93658 \times 10^{-2} = \underline{0.0193658}$$

$$9.00491 \times 10^{-4} = \underline{0.000900491}$$

$$2.39 \times 10^{-8} = \underline{0.0000000239}$$

$$4.147 \times 10^{-7} = \underline{0.0000004147}$$

$$6.289 \times 10^4 = \underline{62,890}$$

$$8.4 \times 10^{-5} = \underline{0.000084}$$

$$\underline{1.77398 \times 10^8} = 177,398,000$$

$$\underline{7.774 \times 10^{-1}} = 0.7774$$

$$\underline{7.129 \times 10^9} = 7,129,000,000$$

$$\underline{2 \times 10^{-9}} = 0.000000002$$

$$\underline{5.51181 \times 10^4} = 55,118.1$$

$$\underline{2.96517 \times 10^{-4}} = 0.000296517$$

$$\underline{1.3051 \times 10^{-5}} = 0.000013051$$

$$\underline{6 \times 10^7} = 60,000,000$$

$$\underline{3.15414 \times 10^0} = 3.15414$$

$$\underline{1.35211 \times 10^1} = 13.5211$$

$$\underline{7.52 \times 10^8} = 752,000,000$$

$$\underline{7.1696 \times 10^2} = 716.96$$

Scientific Notation (G)

Write each number in either standard form or scientific notation.

$4.8 \times 10^{-7} = \underline{\hspace{2cm}}$

$9.1 \times 10^2 = \underline{\hspace{2cm}}$

$1.26257 \times 10^{-4} = \underline{\hspace{2cm}}$

$2 \times 10^0 = \underline{\hspace{2cm}}$

$8.32 \times 10^9 = \underline{\hspace{2cm}}$

$8.09 \times 10^{-9} = \underline{\hspace{2cm}}$

$4.22 \times 10^{-2} = \underline{\hspace{2cm}}$

$8.2 \times 10^{-6} = \underline{\hspace{2cm}}$

$1 \times 10^4 = \underline{\hspace{2cm}}$

$9.79043 \times 10^4 = \underline{\hspace{2cm}}$

$6.47 \times 10^2 = \underline{\hspace{2cm}}$

$6.6 \times 10^6 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 0.003$

$\underline{\hspace{2cm}} = 90,000$

$\underline{\hspace{2cm}} = 490$

$\underline{\hspace{2cm}} = 0.0085649$

$\underline{\hspace{2cm}} = 0.00000837$

$\underline{\hspace{2cm}} = 0.000000047207$

$\underline{\hspace{2cm}} = 39,693$

$\underline{\hspace{2cm}} = 0.2653$

$\underline{\hspace{2cm}} = 60,000,000$

$\underline{\hspace{2cm}} = 2.8$

$\underline{\hspace{2cm}} = 9.478$

$\underline{\hspace{2cm}} = 0.000000008292$

Scientific Notation (G) Answers

Write each number in either standard form or scientific notation.

$$4.8 \times 10^{-7} = \underline{0.00000048}$$

$$9.1 \times 10^2 = \underline{910}$$

$$1.26257 \times 10^{-4} = \underline{0.000126257}$$

$$2 \times 10^0 = \underline{2}$$

$$8.32 \times 10^9 = \underline{8,320,000,000}$$

$$8.09 \times 10^{-9} = \underline{0.00000000809}$$

$$4.22 \times 10^{-2} = \underline{0.0422}$$

$$8.2 \times 10^{-6} = \underline{0.0000082}$$

$$1 \times 10^4 = \underline{10,000}$$

$$9.79043 \times 10^4 = \underline{97,904.3}$$

$$6.47 \times 10^2 = \underline{647}$$

$$6.6 \times 10^6 = \underline{6,600,000}$$

$$\underline{3 \times 10^{-3}} = 0.003$$

$$\underline{9 \times 10^4} = 90,000$$

$$\underline{4.9 \times 10^2} = 490$$

$$\underline{8.5649 \times 10^{-3}} = 0.0085649$$

$$\underline{8.37 \times 10^{-6}} = 0.00000837$$

$$\underline{4.7207 \times 10^{-8}} = 0.000000047207$$

$$\underline{3.9693 \times 10^4} = 39,693$$

$$\underline{2.653 \times 10^{-1}} = 0.2653$$

$$\underline{6 \times 10^7} = 60,000,000$$

$$\underline{2.8 \times 10^0} = 2.8$$

$$\underline{9.478 \times 10^0} = 9.478$$

$$\underline{8.292 \times 10^{-9}} = 0.000000008292$$

Scientific Notation (H)

Write each number in either standard form or scientific notation.

$2 \times 10^9 = \underline{\hspace{2cm}}$

$7 \times 10^1 = \underline{\hspace{2cm}}$

$1.53 \times 10^{-1} = \underline{\hspace{2cm}}$

$6.01 \times 10^4 = \underline{\hspace{2cm}}$

$3.8861 \times 10^6 = \underline{\hspace{2cm}}$

$8 \times 10^{-6} = \underline{\hspace{2cm}}$

$8 \times 10^7 = \underline{\hspace{2cm}}$

$1.2 \times 10^{-8} = \underline{\hspace{2cm}}$

$1 \times 10^6 = \underline{\hspace{2cm}}$

$8.47 \times 10^{-6} = \underline{\hspace{2cm}}$

$2.8 \times 10^{-3} = \underline{\hspace{2cm}}$

$1.7715 \times 10^{-4} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 89$

$\underline{\hspace{2cm}} = 0.99074$

$\underline{\hspace{2cm}} = 6,750$

$\underline{\hspace{2cm}} = 0.00167$

$\underline{\hspace{2cm}} = 5.91665$

$\underline{\hspace{2cm}} = 47,935,000$

$\underline{\hspace{2cm}} = 0.000000438$

$\underline{\hspace{2cm}} = 0.00029888$

$\underline{\hspace{2cm}} = 6.59$

$\underline{\hspace{2cm}} = 0.0000208$

$\underline{\hspace{2cm}} = 2,600,000,000$

$\underline{\hspace{2cm}} = 80$

Scientific Notation (H) Answers

Write each number in either standard form or scientific notation.

$$2 \times 10^9 = \underline{2,000,000,000}$$

$$7 \times 10^1 = \underline{70}$$

$$1.53 \times 10^{-1} = \underline{0.153}$$

$$6.01 \times 10^4 = \underline{60,100}$$

$$3.8861 \times 10^6 = \underline{3,886,100}$$

$$8 \times 10^{-6} = \underline{0.000008}$$

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

$$1.2 \times 10^{-8} = \underline{0.000000012}$$

$$1 \times 10^6 = \underline{1,000,000}$$

$$8.47 \times 10^{-6} = \underline{0.00000847}$$

$$2.8 \times 10^{-3} = \underline{0.0028}$$

$$1.7715 \times 10^{-4} = \underline{0.00017715}$$

$$\underline{8.9 \times 10^1} = 89$$

$$\underline{9.9074 \times 10^{-1}} = 0.99074$$

$$\underline{6.75 \times 10^3} = 6,750$$

$$\underline{1.67 \times 10^{-3}} = 0.00167$$

$$\underline{5.91665 \times 10^0} = 5.91665$$

$$\underline{4.7935 \times 10^7} = 47,935,000$$

$$\underline{4.38 \times 10^{-7}} = 0.000000438$$

$$\underline{2.9888 \times 10^{-4}} = 0.00029888$$

$$\underline{6.59 \times 10^0} = 6.59$$

$$\underline{2.08 \times 10^{-5}} = 0.0000208$$

$$\underline{2.6 \times 10^9} = 2,600,000,000$$

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

Scientific Notation (I)

Write each number in either standard form or scientific notation.

$9.5487 \times 10^{-4} = \underline{\hspace{2cm}}$ $9.71847 \times 10^7 = \underline{\hspace{2cm}}$

$5.156 \times 10^8 = \underline{\hspace{2cm}}$ $5.996 \times 10^8 = \underline{\hspace{2cm}}$

$6.35 \times 10^7 = \underline{\hspace{2cm}}$ $6 \times 10^6 = \underline{\hspace{2cm}}$

$9.6 \times 10^3 = \underline{\hspace{2cm}}$ $1.22 \times 10^3 = \underline{\hspace{2cm}}$

$3.3 \times 10^3 = \underline{\hspace{2cm}}$ $4 \times 10^2 = \underline{\hspace{2cm}}$

$4.01629 \times 10^{-3} = \underline{\hspace{2cm}}$ $5.768 \times 10^9 = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 6,859$ $\underline{\hspace{2cm}} = 0.0000008358$

$\underline{\hspace{2cm}} = 572.35$ $\underline{\hspace{2cm}} = 0.00000008453$

$\underline{\hspace{2cm}} = 0.715$ $\underline{\hspace{2cm}} = 0.00178$

$\underline{\hspace{2cm}} = 0.0000008545$ $\underline{\hspace{2cm}} = 7,900,000,000$

$\underline{\hspace{2cm}} = 0.000000040514$ $\underline{\hspace{2cm}} = 1,447.1$

$\underline{\hspace{2cm}} = 882$ $\underline{\hspace{2cm}} = 0.0000004217$

Scientific Notation (I) Answers

Write each number in either standard form or scientific notation.

$$9.5487 \times 10^{-4} = \underline{0.00095487} \quad 9.71847 \times 10^7 = \underline{97,184,700}$$

$$5.156 \times 10^8 = \underline{515,600,000} \quad 5.996 \times 10^8 = \underline{599,600,000}$$

$$6.35 \times 10^7 = \underline{63,500,000} \quad 6 \times 10^6 = \underline{6,000,000}$$

$$9.6 \times 10^3 = \underline{9,600} \quad 1.22 \times 10^3 = \underline{1,220}$$

$$3.3 \times 10^3 = \underline{3,300} \quad 4 \times 10^2 = \underline{400}$$

$$4.01629 \times 10^{-3} = \underline{0.00401629} \quad 5.768 \times 10^9 = \underline{5,768,000,000}$$

$$\underline{6.859 \times 10^3} = \underline{6,859} \quad \underline{8.358 \times 10^{-7}} = \underline{0.0000008358}$$

$$\underline{5.7235 \times 10^2} = \underline{572.35} \quad \underline{8.453 \times 10^{-8}} = \underline{0.00000008453}$$

$$\underline{7.15 \times 10^{-1}} = \underline{0.715} \quad \underline{1.78 \times 10^{-3}} = \underline{0.00178}$$

$$\underline{8.545 \times 10^{-7}} = \underline{0.0000008545} \quad \underline{7.9 \times 10^9} = \underline{7,900,000,000}$$

$$\underline{4.0514 \times 10^{-8}} = \underline{0.000000040514} \quad \underline{1.4471 \times 10^3} = \underline{1,447.1}$$

$$\underline{8.82 \times 10^2} = \underline{882} \quad \underline{4.217 \times 10^{-7}} = \underline{0.0000004217}$$

Scientific Notation (J)

Write each number in either standard form or scientific notation.

$5.37393 \times 10^{-3} = \underline{\hspace{2cm}}$

$4.74 \times 10^{-5} = \underline{\hspace{2cm}}$

$2.1 \times 10^{-7} = \underline{\hspace{2cm}}$

$2.5 \times 10^9 = \underline{\hspace{2cm}}$

$2.58807 \times 10^{-6} = \underline{\hspace{2cm}}$

$6.854 \times 10^2 = \underline{\hspace{2cm}}$

$5.709 \times 10^1 = \underline{\hspace{2cm}}$

$3.271 \times 10^6 = \underline{\hspace{2cm}}$

$9 \times 10^5 = \underline{\hspace{2cm}}$

$1.4268 \times 10^1 = \underline{\hspace{2cm}}$

$9.5762 \times 10^1 = \underline{\hspace{2cm}}$

$3 \times 10^{-3} = \underline{\hspace{2cm}}$

$\underline{\hspace{2cm}} = 0.000000075327$

$\underline{\hspace{2cm}} = 5,831.7$

$\underline{\hspace{2cm}} = 8,350,000,000$

$\underline{\hspace{2cm}} = 0.00534646$

$\underline{\hspace{2cm}} = 0.00000027$

$\underline{\hspace{2cm}} = 0.000000619$

$\underline{\hspace{2cm}} = 600,000,000$

$\underline{\hspace{2cm}} = 6.6$

$\underline{\hspace{2cm}} = 617,620,000$

$\underline{\hspace{2cm}} = 0.000000003983$

$\underline{\hspace{2cm}} = 0.00000006$

$\underline{\hspace{2cm}} = 0.000005557$

Scientific Notation (J) Answers

Write each number in either standard form or scientific notation.

$$5.37393 \times 10^{-3} = \underline{0.00537393}$$

$$4.74 \times 10^{-5} = \underline{0.0000474}$$

$$2.1 \times 10^{-7} = \underline{0.00000021}$$

$$2.5 \times 10^9 = \underline{2,500,000,000}$$

$$2.58807 \times 10^{-6} = \underline{0.00000258807}$$

$$6.854 \times 10^2 = \underline{685.4}$$

$$5.709 \times 10^1 = \underline{57.09}$$

$$3.271 \times 10^6 = \underline{3,271,000}$$

$$9 \times 10^5 = \underline{900,000}$$

$$1.4268 \times 10^1 = \underline{14.268}$$

$$9.5762 \times 10^1 = \underline{95.762}$$

$$3 \times 10^{-3} = \underline{0.003}$$

$$\underline{7.5327 \times 10^{-8}} = 0.000000075327$$

$$\underline{5.8317 \times 10^3} = 5,831.7$$

$$\underline{8.35 \times 10^9} = 8,350,000,000$$

$$\underline{5.34646 \times 10^{-3}} = 0.00534646$$

$$\underline{2.7 \times 10^{-7}} = 0.00000027$$

$$\underline{6.19 \times 10^{-7}} = 0.000000619$$

$$\underline{6 \times 10^8} = 600,000,000$$

$$\underline{6.6 \times 10^0} = 6.6$$

$$\underline{6.1762 \times 10^8} = 617,620,000$$

$$\underline{3.983 \times 10^{-9}} = 0.000000003983$$

$$\underline{6 \times 10^{-8}} = 0.00000006$$

$$\underline{5.557 \times 10^{-6}} = 0.000005557$$