

# Scientific Notation (A)

Convert each ordinary number to scientific notation.

$3,900 = \quad \quad \quad 0.000000038 =$

$0.0094 = \quad \quad \quad 0.0000032 =$

$0.00945 = \quad \quad \quad 61,490,000 =$

$9,400 = \quad \quad \quad 181,000,000 =$

$1,060,000 = \quad \quad \quad 5,800,000 =$

$5,729 = \quad \quad \quad 7,907,000 =$

$74,920 = \quad \quad \quad 63,000 =$

$0.0008 = \quad \quad \quad 0.0000028 =$

$0.00064 = \quad \quad \quad 317,300,000 =$

$0.000000026 = \quad \quad \quad 0.000054 =$

## Scientific Notation (A) Answers

Convert each ordinary number to scientific notation.

$$3,900 = 3.9 \times 10^3 \quad 0.000000038 = 3.8 \times 10^{-8}$$

$$0.0094 = 9.4 \times 10^{-3} \quad 0.0000032 = 3.2 \times 10^{-6}$$

$$0.00945 = 9.45 \times 10^{-3} \quad 61,490,000 = 6.149 \times 10^7$$

$$9,400 = 9.4 \times 10^3 \quad 181,000,000 = 1.81 \times 10^8$$

$$1,060,000 = 1.06 \times 10^6 \quad 5,800,000 = 5.8 \times 10^6$$

$$5,729 = 5.729 \times 10^3 \quad 7,907,000 = 7.907 \times 10^6$$

$$74,920 = 7.492 \times 10^4 \quad 63,000 = 6.3 \times 10^4$$

$$0.0008 = 8 \times 10^{-4} \quad 0.0000028 = 2.8 \times 10^{-6}$$

$$0.00064 = 6.4 \times 10^{-4} \quad 317,300,000 = 3.173 \times 10^8$$

$$0.000000026 = 2.6 \times 10^{-8} \quad 0.000054 = 5.4 \times 10^{-5}$$

## Scientific Notation (B)

Convert each ordinary number to scientific notation.

$64,000 =$

$2,700,000 =$

$0.00073 =$

$10,840 =$

$0.0000035 =$

$0.00058 =$

$9,840 =$

$60,100 =$

$86,220,000 =$

$830,000 =$

$0.0000044 =$

$0.000000052 =$

$0.0000433 =$

$0.000000026 =$

$0.00000266 =$

$780,000,000 =$

$86,000,000 =$

$5,712 =$

$0.0000682 =$

$2,944 =$

## Scientific Notation (B) Answers

Convert each ordinary number to scientific notation.

$$64,000 = 6.4 \times 10^4$$

$$2,700,000 = 2.7 \times 10^6$$

$$0.00073 = 7.3 \times 10^{-4}$$

$$10,840 = 1.084 \times 10^4$$

$$0.0000035 = 3.5 \times 10^{-6}$$

$$0.00058 = 5.8 \times 10^{-4}$$

$$9,840 = 9.84 \times 10^3$$

$$60,100 = 6.01 \times 10^4$$

$$86,220,000 = 8.622 \times 10^7$$

$$830,000 = 8.3 \times 10^5$$

$$0.0000044 = 4.4 \times 10^{-6}$$

$$0.000000052 = 5.2 \times 10^{-8}$$

$$0.0000433 = 4.33 \times 10^{-5}$$

$$0.000000026 = 2.6 \times 10^{-8}$$

$$0.00000266 = 2.66 \times 10^{-6}$$

$$780,000,000 = 7.8 \times 10^8$$

$$86,000,000 = 8.6 \times 10^7$$

$$5,712 = 5.712 \times 10^3$$

$$0.0000682 = 6.82 \times 10^{-5}$$

$$2,944 = 2.944 \times 10^3$$

## Scientific Notation (C)

Convert each ordinary number to scientific notation.

$0.0042 =$

$0.000000622 =$

$264,000,000 =$

$596,800 =$

$264,100 =$

$162,000,000 =$

$515,900,000 =$

$0.0005685 =$

$0.00000911 =$

$0.00827 =$

$0.0058 =$

$136,500 =$

$0.00006 =$

$0.008623 =$

$97,170 =$

$0.00038 =$

$0.0000000804 =$

$0.0000062 =$

$96,000 =$

$0.00000099 =$

## Scientific Notation (C) Answers

Convert each ordinary number to scientific notation.

$$0.0042 = 4.2 \times 10^{-3} \quad 0.000000622 = 6.22 \times 10^{-7}$$

$$264,000,000 = 2.64 \times 10^8 \quad 596,800 = 5.968 \times 10^5$$

$$264,100 = 2.641 \times 10^5 \quad 162,000,000 = 1.62 \times 10^8$$

$$515,900,000 = 5.159 \times 10^8 \quad 0.0005685 = 5.685 \times 10^{-4}$$

$$0.00000911 = 9.11 \times 10^{-6} \quad 0.00827 = 8.27 \times 10^{-3}$$

$$0.0058 = 5.8 \times 10^{-3} \quad 136,500 = 1.365 \times 10^5$$

$$0.00006 = 6 \times 10^{-5} \quad 0.008623 = 8.623 \times 10^{-3}$$

$$97,170 = 9.717 \times 10^4 \quad 0.00038 = 3.8 \times 10^{-4}$$

$$0.0000000804 = 8.04 \times 10^{-8} \quad 0.0000062 = 6.2 \times 10^{-6}$$

$$96,000 = 9.6 \times 10^4 \quad 0.00000099 = 9.9 \times 10^{-7}$$

## Scientific Notation (D)

Convert each ordinary number to scientific notation.

$8,800 = \quad \quad \quad 910,000,000 =$

$0.00051 = \quad \quad \quad 0.0000000289 =$

$96,000,000 = \quad \quad \quad 0.0000369 =$

$3,820 = \quad \quad \quad 83,710,000 =$

$22,000,000 = \quad \quad \quad 97,080 =$

$0.00000004389 = \quad \quad \quad 493,000,000 =$

$0.000000059 = \quad \quad \quad 0.00983 =$

$0.000006696 = \quad \quad \quad 0.006449 =$

$0.00000598 = \quad \quad \quad 44,600 =$

$396,000,000 = \quad \quad \quad 91,420 =$

## Scientific Notation (D) Answers

Convert each ordinary number to scientific notation.

$$8,800 = 8.8 \times 10^3 \quad 910,000,000 = 9.1 \times 10^8$$

$$0.00051 = 5.1 \times 10^{-4} \quad 0.0000000289 = 2.89 \times 10^{-8}$$

$$96,000,000 = 9.6 \times 10^7 \quad 0.0000369 = 3.69 \times 10^{-5}$$

$$3,820 = 3.82 \times 10^3 \quad 83,710,000 = 8.371 \times 10^7$$

$$22,000,000 = 2.2 \times 10^7 \quad 97,080 = 9.708 \times 10^4$$

$$0.00000004389 = 4.389 \times 10^{-8} \quad 493,000,000 = 4.93 \times 10^8$$

$$0.000000059 = 5.9 \times 10^{-8} \quad 0.00983 = 9.83 \times 10^{-3}$$

$$0.000006696 = 6.696 \times 10^{-6} \quad 0.006449 = 6.449 \times 10^{-3}$$

$$0.00000598 = 5.98 \times 10^{-6} \quad 44,600 = 4.46 \times 10^4$$

$$396,000,000 = 3.96 \times 10^8 \quad 91,420 = 9.142 \times 10^4$$



## Scientific Notation (E)

Convert each ordinary number to scientific notation.

$8,362 =$                        $0.000039 =$

$0.0000186 =$                        $0.00000001734 =$

$0.00000518 =$                        $2,650,000 =$

$0.000000016 =$                        $25,600 =$

$0.00000026 =$                        $71,700,000 =$

$138,200 =$                        $0.000000672 =$

$0.00000004367 =$                        $13,000 =$

$0.000000579 =$                        $0.000005166 =$

$314,500 =$                        $0.00000015 =$

$968,000,000 =$                        $0.0000003834 =$

## Scientific Notation (E) Answers

Convert each ordinary number to scientific notation.

$$8,362 = 8.362 \times 10^3 \quad 0.000039 = 3.9 \times 10^{-5}$$

$$0.0000186 = 1.86 \times 10^{-5} \quad 0.00000001734 = 1.734 \times 10^{-8}$$

$$0.00000518 = 5.18 \times 10^{-6} \quad 2,650,000 = 2.65 \times 10^6$$

$$0.000000016 = 1.6 \times 10^{-8} \quad 25,600 = 2.56 \times 10^4$$

$$0.00000026 = 2.6 \times 10^{-7} \quad 71,700,000 = 7.17 \times 10^7$$

$$138,200 = 1.382 \times 10^5 \quad 0.000000672 = 6.72 \times 10^{-7}$$

$$0.00000004367 = 4.367 \times 10^{-8} \quad 13,000 = 1.3 \times 10^4$$

$$0.000000579 = 5.79 \times 10^{-7} \quad 0.000005166 = 5.166 \times 10^{-6}$$

$$314,500 = 3.145 \times 10^5 \quad 0.00000015 = 1.5 \times 10^{-7}$$

$$968,000,000 = 9.68 \times 10^8 \quad 0.0000003834 = 3.834 \times 10^{-7}$$

## Scientific Notation (F)

Convert each ordinary number to scientific notation.

$$0.00009453 = \qquad \qquad \qquad 36,530,000 =$$

$$0.000000794 = \qquad \qquad \qquad 670,000 =$$

$$0.000737 = \qquad \qquad \qquad 2,100,000 =$$

$$563,600 = \qquad \qquad \qquad 8,366 =$$

$$0.00000097 = \qquad \qquad \qquad 93,000,000 =$$

$$110,000 = \qquad \qquad \qquad 322,000 =$$

$$0.000000541 = \qquad \qquad \qquad 0.00000002688 =$$

$$0.000054 = \qquad \qquad \qquad 554,000 =$$

$$507,300,000 = \qquad \qquad \qquad 0.0000063 =$$

$$700,000,000 = \qquad \qquad \qquad 51,220 =$$

## Scientific Notation (F) Answers

Convert each ordinary number to scientific notation.

$$0.00009453 = 9.453 \times 10^{-5} \quad 36,530,000 = 3.653 \times 10^7$$

$$0.000000794 = 7.94 \times 10^{-7} \quad 670,000 = 6.7 \times 10^5$$

$$0.000737 = 7.37 \times 10^{-4} \quad 2,100,000 = 2.1 \times 10^6$$

$$563,600 = 5.636 \times 10^5 \quad 8,366 = 8.366 \times 10^3$$

$$0.00000097 = 9.7 \times 10^{-7} \quad 93,000,000 = 9.3 \times 10^7$$

$$110,000 = 1.1 \times 10^5 \quad 322,000 = 3.22 \times 10^5$$

$$0.000000541 = 5.41 \times 10^{-7} \quad 0.00000002688 = 2.688 \times 10^{-8}$$

$$0.000054 = 5.4 \times 10^{-5} \quad 554,000 = 5.54 \times 10^5$$

$$507,300,000 = 5.073 \times 10^8 \quad 0.0000063 = 6.3 \times 10^{-6}$$

$$700,000,000 = 7 \times 10^8 \quad 51,220 = 5.122 \times 10^4$$

# Scientific Notation (G)

Convert each ordinary number to scientific notation.

$6,600 =$

$3,021,000 =$

$0.00893 =$

$44,940 =$

$54,000 =$

$64,000,000 =$

$32,700,000 =$

$0.00000206 =$

$0.004072 =$

$0.00881 =$

$8,016,000 =$

$0.000000022 =$

$450,000 =$

$9,000,000 =$

$0.0000005242 =$

$75,400 =$

$9,700 =$

$0.0000004652 =$

$5,230 =$

$17,360 =$

## Scientific Notation (G) Answers

Convert each ordinary number to scientific notation.

$$6,600 = 6.6 \times 10^3 \qquad 3,021,000 = 3.021 \times 10^6$$

$$0.00893 = 8.93 \times 10^{-3} \qquad 44,940 = 4.494 \times 10^4$$

$$54,000 = 5.4 \times 10^4 \qquad 64,000,000 = 6.4 \times 10^7$$

$$32,700,000 = 3.27 \times 10^7 \qquad 0.00000206 = 2.06 \times 10^{-6}$$

$$0.004072 = 4.072 \times 10^{-3} \qquad 0.00881 = 8.81 \times 10^{-3}$$

$$8,016,000 = 8.016 \times 10^6 \qquad 0.000000022 = 2.2 \times 10^{-8}$$

$$450,000 = 4.5 \times 10^5 \qquad 9,000,000 = 9 \times 10^6$$

$$0.0000005242 = 5.242 \times 10^{-7} \qquad 75,400 = 7.54 \times 10^4$$

$$9,700 = 9.7 \times 10^3 \qquad 0.0000004652 = 4.652 \times 10^{-7}$$

$$5,230 = 5.23 \times 10^3 \qquad 17,360 = 1.736 \times 10^4$$

# Scientific Notation (H)

Convert each ordinary number to scientific notation.

$$629,000,000 = \qquad \qquad \qquad 0.0000189 =$$

$$2,610 = \qquad \qquad \qquad 4,900 =$$

$$0.0000001531 = \qquad \qquad \qquad 80,000 =$$

$$447,000 = \qquad \qquad \qquad 2,811 =$$

$$0.007 = \qquad \qquad \qquad 5,350 =$$

$$0.0000004477 = \qquad \qquad \qquad 0.0000000157 =$$

$$33,400,000 = \qquad \qquad \qquad 0.000000634 =$$

$$0.0000002019 = \qquad \qquad \qquad 0.00000022 =$$

$$4,400 = \qquad \qquad \qquad 97,800,000 =$$

$$3,320,000 = \qquad \qquad \qquad 0.000000161 =$$

## Scientific Notation (H) Answers

Convert each ordinary number to scientific notation.

$$629,000,000 = 6.29 \times 10^8 \quad 0.0000189 = 1.89 \times 10^{-5}$$

$$2,610 = 2.61 \times 10^3 \quad 4,900 = 4.9 \times 10^3$$

$$0.0000001531 = 1.531 \times 10^{-7} \quad 80,000 = 8 \times 10^4$$

$$447,000 = 4.47 \times 10^5 \quad 2,811 = 2.811 \times 10^3$$

$$0.007 = 7 \times 10^{-3} \quad 5,350 = 5.35 \times 10^3$$

$$0.0000004477 = 4.477 \times 10^{-7} \quad 0.0000000157 = 1.57 \times 10^{-8}$$

$$33,400,000 = 3.34 \times 10^7 \quad 0.000000634 = 6.34 \times 10^{-7}$$

$$0.0000002019 = 2.019 \times 10^{-7} \quad 0.00000022 = 2.2 \times 10^{-7}$$

$$4,400 = 4.4 \times 10^3 \quad 97,800,000 = 9.78 \times 10^7$$

$$3,320,000 = 3.32 \times 10^6 \quad 0.000000161 = 1.61 \times 10^{-7}$$



# Scientific Notation (I)

Convert each ordinary number to scientific notation.

$4,690 =$

$1,897,000 =$

$45,000,000 =$

$26,100,000 =$

$0.0068 =$

$0.0002451 =$

$0.0002 =$

$6,100 =$

$54,840 =$

$0.00000029 =$

$220,000,000 =$

$3,570,000 =$

$0.0005798 =$

$35,160,000 =$

$0.00004994 =$

$0.000043 =$

$69,820,000 =$

$0.0000548 =$

$0.00045 =$

$0.0001548 =$

## Scientific Notation (I) Answers

Convert each ordinary number to scientific notation.

$$4,690 = 4.69 \times 10^3 \qquad 1,897,000 = 1.897 \times 10^6$$

$$45,000,000 = 4.5 \times 10^7 \qquad 26,100,000 = 2.61 \times 10^7$$

$$0.0068 = 6.8 \times 10^{-3} \qquad 0.0002451 = 2.451 \times 10^{-4}$$

$$0.0002 = 2 \times 10^{-4} \qquad 6,100 = 6.1 \times 10^3$$

$$54,840 = 5.484 \times 10^4 \qquad 0.00000029 = 2.9 \times 10^{-7}$$

$$220,000,000 = 2.2 \times 10^8 \qquad 3,570,000 = 3.57 \times 10^6$$

$$0.0005798 = 5.798 \times 10^{-4} \qquad 35,160,000 = 3.516 \times 10^7$$

$$0.00004994 = 4.994 \times 10^{-5} \qquad 0.000043 = 4.3 \times 10^{-5}$$

$$69,820,000 = 6.982 \times 10^7 \qquad 0.0000548 = 5.48 \times 10^{-5}$$

$$0.00045 = 4.5 \times 10^{-4} \qquad 0.0001548 = 1.548 \times 10^{-4}$$

# Scientific Notation (J)

Convert each ordinary number to scientific notation.

$$323,000 = \qquad \qquad \qquad 0.0000305 =$$

$$0.0000000884 = \qquad \qquad \qquad 8,930 =$$

$$2,885 = \qquad \qquad \qquad 260,000 =$$

$$4,416 = \qquad \qquad \qquad 0.007921 =$$

$$256,600 = \qquad \qquad \qquad 0.0000602 =$$

$$27,000,000 = \qquad \qquad \qquad 0.0000000283 =$$

$$629,000 = \qquad \qquad \qquad 0.0000023 =$$

$$51,410,000 = \qquad \qquad \qquad 3,900 =$$

$$86,000 = \qquad \qquad \qquad 0.0000000533 =$$

$$0.000000416 = \qquad \qquad \qquad 17,690,000 =$$

## Scientific Notation (J) Answers

Convert each ordinary number to scientific notation.

$$323,000 = 3.23 \times 10^5 \quad 0.0000305 = 3.05 \times 10^{-5}$$

$$0.0000000884 = 8.84 \times 10^{-8} \quad 8,930 = 8.93 \times 10^3$$

$$2,885 = 2.885 \times 10^3 \quad 260,000 = 2.6 \times 10^5$$

$$4,416 = 4.416 \times 10^3 \quad 0.007921 = 7.921 \times 10^{-3}$$

$$256,600 = 2.566 \times 10^5 \quad 0.0000602 = 6.02 \times 10^{-5}$$

$$27,000,000 = 2.7 \times 10^7 \quad 0.0000000283 = 2.83 \times 10^{-8}$$

$$629,000 = 6.29 \times 10^5 \quad 0.0000023 = 2.3 \times 10^{-6}$$

$$51,410,000 = 5.141 \times 10^7 \quad 3,900 = 3.9 \times 10^3$$

$$86,000 = 8.6 \times 10^4 \quad 0.0000000533 = 5.33 \times 10^{-8}$$

$$0.000000416 = 4.16 \times 10^{-7} \quad 17,690,000 = 1.769 \times 10^7$$