

Scientific Notation - Standard

Example: 1

Write 4.32215×10^5 in standard notation.

Here the exponent is 5. We should move the decimal point 5 places to the right.

4.3 2 2 1 5

$$4.32215 \times 10^5 = \mathbf{432,215}$$

Example: 2

Write 3.7×10^{-6} in standard notation.

Here the exponent is -6. We should move the decimal point 6 places to the left.

0 0 0 0 0 0 3 . 7

$$3.7 \times 10^{-6} = \mathbf{0.0000037}$$

Express each number in standard notation.

1) 4.62×10^8

2) 1.2561×10^{-5}

3) 9.082×10^{11}

4) 5.4×10^{-7}

5) 3.5624×10^{13}

6) 7.5005×10^{-12}

7) 1.28×10^8

8) 2.119×10^{-10}

9) 8.0025×10^6

10) 3.1×10^{-9}

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