

Scientific Notation - Standard

Mixed: MS2

Example: 1Write 7.2001×10^5 in standard notation.

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

7.2 0 0 1 0

$$7.2001 \times 10^5 = \mathbf{720,010}$$

Example: 2Write 5.4×10^{-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 5 . 4

$$5.4 \times 10^{-6} = \mathbf{0.000054}$$

Express each number in standard notation.

1) 9.203×10^{-10} _____

2) 2.1569×10^8 _____

3) 8.006×10^{-13} _____

4) 5.18×10^7 _____

5) 6.0155×10^{-10} _____

6) 7.042×10^{12} _____

7) 4.1×10^{-6} _____

8) 1.256×10^9 = _____

9) 6.48×10^{14} = _____

10) 5.4105×10^{-12} = _____

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6) 7.042×10^{12} _____

7) 4.1×10^{-6} _____

8) 1.256×10^9 = **1,256,000,000**

9) 6.48×10^{14} = **648,000,000,000,000**

10) 5.4105×10^{-12} = **0.0000000000054105**

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