

Scientific Notation - Standard

Example: 1

Write 1.5234×10^6 in standard notation.

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

1.5 2 3 4 0 0

$$1.5234 \times 10^6 = \mathbf{1,523,400}$$

Example: 2

Write 2.93×10^{-7} in standard notation.

Here the exponent is -7. We should move the decimal point 7 places to the left.

0 0 0 0 0 0 0 2.9 3

$$2.93 \times 10^{-7} = \mathbf{0.000000293}$$

Express each number in standard notation.

1) 5.2631×10^{-10}

2) 2.04×10^{11}

3) 7.987×10^{-9}

4) 8.49×10^8

5) 1.0126×10^{-5}

6) 9.5×10^{12}

7) 3.143×10^{-13}

8) 9.8742×10^{10}

9) 6.38×10^7

10) 4×10^{-6}

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