

Scientific Notation - Standard

Mixed: MS1

Example: 1Write 4.32215×10^5 in standard notation.

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

$$4.\overset{\curvearrowright}{3}\overset{\curvearrowright}{2}\overset{\curvearrowright}{2}\overset{\curvearrowright}{1}\overset{\curvearrowright}{5}$$

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

Example: 2Write 3.7×10^{-6} in standard notation.

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

$$0\overset{\curvearrowright}{0}\overset{\curvearrowright}{0}\overset{\curvearrowright}{0}\overset{\curvearrowright}{0}\overset{\curvearrowright}{0}\overset{\curvearrowright}{3}.7$$

$$3.7 \times 10^{-6} = \mathbf{0.000037}$$

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^{-11} _____

7) 1.28×10^8 _____

8) 2.119×10^{-10} = _____

9) 8.0025×10^6 = _____

10) 3.1×10^{-9} = _____

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0.000000002119

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8,002,500

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0.000000031**PREVIEW**Gain complete access to the largest
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