

Scientific Notation - Standard

Example: 1

Write 8.05×10^4 in standard notation.

Here the exponent is 4. We should move the decimal point 4 places to the right.

$$8.0500 \rightarrow 80500$$

$$8.05 \times 10^4 = \mathbf{80,500}$$

Example: 2

Write 4.9×10^{-3} in standard notation.

Here the exponent is -3. We should move the decimal point 3 places to the left.

$$0004.9 \rightarrow 0.0049$$

$$4.9 \times 10^{-3} = \mathbf{0.0049}$$

Express each number in standard notation

1) $1.25 \times 10^3 =$ _____

3) $5.698 \times 10^{-4} =$ _____

5) $2.6037 \times 10^0 =$ _____

7) $8.36 \times 10^{-1} =$ _____

9) $4.691 \times 10^3 =$ _____

11) $7 \times 10^{-4} =$ _____

12) $5.679 \times 10^1 =$ _____

13) $9.0568 \times 10^2 =$ _____

14) $1.45 \times 10^{-4} =$ _____

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