

Scientific Notation - Standard

Negative: ES3

Example:

Write 1.06×10^{-2} in standard notation.

Here the exponent is -2. We should move the decimal point 2 places to the left.

$$\begin{array}{c}
 \text{0} \quad \text{0} \quad \text{1} \cdot \text{0} \quad \text{6} \\
 \swarrow \quad \searrow \\
 1.06 \times 10^{-2} = \mathbf{0.0106}
 \end{array}$$

Express each number in standard notation

1) $2.152 \times 10^{-3} =$ _____

3) $1.0569 \times 10^{-5} =$ _____

5) $5.2 \times 10^{-2} =$ _____

7) $6.1014 \times 10^{-1} =$ _____

9) $9.02 \times 10^{-3} =$ _____

11) $5.155 \times 10^{-5} =$ _____

12) $2.56 \times 10^{-5} =$ _____

13) $2.78 \times 10^{-2} =$ _____

14) $7.5962 \times 10^{-4} =$ _____

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Answer key**Scientific Notation - Standard**

Negative: ES3

Example:Write 1.06×10^{-2} in standard notation.

Here the exponent is -2. We should move the decimal point 2 places to the left.

$$\begin{array}{c}
 \text{0} \quad \text{0} \quad \text{1} \cdot \text{0} \quad \text{6} \\
 \curvearrowleft \quad \quad \quad \curvearrowleft \\
 1.06 \times 10^{-2} = \mathbf{0.0106}
 \end{array}$$

Express each number in standard notation

1) $2.152 \times 10^{-3} =$

0.06756

3) $1.0569 \times 10^{-5} =$

0.000074826

5) $5.2 \times 10^{-2} =$

0.00418

7) $6.1014 \times 10^{-1} =$

0.29

9) $9.02 \times 10^{-3} =$

0.00087412

11) $5.155 \times 10^{-5} =$ **0.00005155**

12) $2.56 \times 10^{-5} =$ **0.0000256**

13) $2.78 \times 10^{-2} =$ **0.0278**

14) $7.5962 \times 10^{-4} =$ **0.00075962**

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