

Scientific Notation - Standard

Mixed: ES2

Example: 1Write 7.928×10^2 in standard notation.

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

$$7.928 \times 10^2 = \mathbf{792.8}$$

Example: 2Write 1.62×10^{-3} in standard notation.

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

$$1.62 \times 10^{-3} = \mathbf{0.00162}$$

Express each number in standard notation.

1) $8.526 \times 10^{-5} =$ _____

3) $5.905 \times 10^2 =$ _____

5) $4.862 \times 10^{-3} =$ _____

7) $7.2459 \times 10^4 =$ _____

9) $3.526 \times 10^{-2} =$ _____

11) $9.1 \times 10^5 =$ _____

12) $1.1286 \times 10^{-2} =$ _____

13) $1.825 \times 10^{-1} =$ _____

14) $8.24 \times 10^3 =$ _____

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Example: 1Write 7.928×10^2 in standard notation.

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Example: 2Write 1.62×10^{-3} in standard notation.

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

$$1.62 \times 10^{-3} = \mathbf{0.00162}$$

Express each number

1) $8.526 \times 10^{-5} =$

3) $5.905 \times 10^2 =$

5) $4.862 \times 10^{-3} =$

7) $7.2459 \times 10^4 =$

9) $3.526 \times 10^{-2} =$

11) $9.1 \times 10^5 = \mathbf{910,000}$

13) $1.825 \times 10^{-1} = \mathbf{0.1825}$

12) $1.1286 \times 10^{-2} = \mathbf{0.011286}$

14) $8.24 \times 10^3 = \mathbf{8,240}$

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