

Name : _____

Scientific Notation - Standard

Negative: ES2

Example:

Write 1.005×10^{-3} in standard notation.

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

$$\begin{array}{ccccccc} & \swarrow & \swarrow & \swarrow & & & \\ 0 & 0 & 0 & 1 & . & 0 & 0 & 5 \\ & \searrow & \searrow & \searrow & & & & \\ & & & & & & & \end{array}$$
$$1.005 \times 10^{-3} = \mathbf{0.001005}$$

Express each number in standard notation.

1) $2.01 \times 10^{-2} =$ _____

2) $5.145 \times 10^{-3} =$ _____

3) $8.526 \times 10^{-5} =$ _____

5) $6.4822 \times 10^{-3} =$ _____

7) $5.9 \times 10^{-1} =$ _____

9) $1.05 \times 10^{-3} =$ _____

11) $4.296 \times 10^{-4} =$ _____

12) $9.072 \times 10^{-1} =$ _____

13) $7.0254 \times 10^{-2} =$ _____

14) $3.5426 \times 10^{-5} =$ _____

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