Name : _____

Scientific Notation - Standard

Mixed: ES2

Example: 1

Write 7.928×10^{2} in standard notation.

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

7 ! 9 2 8

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

Example: 2

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

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

0 0 0 1 ! 6 2

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

Express each number in standard notation.

1) 8.526×10^{-5} = _____

3) 5.905×10^{2} = _____

5) 4.862×10^{-3} = _____

7) 7.2459×10^{4} = _____

9) 3.526×10^{-2} = _____

11) 9.1×10^{5} = _____

12) 1.1286×10^{-2} = _____

13) 1.825×10^{-1} = _____

14) 8.24×10^{3} = _____