Name : _____ Score : _____

Scientific Notation - Standard

Mixed: MS1

Example: 1

Write 4.32215×10^5 in standard notation.

Here the exponent is 5. We should move the decimal point 5 places to the right.

$4.32215 \times 10^5 =$ **432, 215**

Example: 2

Write 3.7×10^{-6} in standard notation.

Here the exponent is -6. We should move the decimal point 6 places to the left.

$3.7 \times 10^{-6} =$ **0.0000037**

Express each number in standard notation.

1) 4.62×10^8 _____

2) 1.2561×10^{-5} _____

3) 9.082×10^{11} _____

4) 5.4×10^{-7} _____

5) 3.5624×10^{13} _____

6) 7.5005×10^{-1} _____

7) 1.28×10^8 _____

8) 2.119×10^{-10} = _____

9) 8.0025×10^6 = _____

10) 3.1×10^{-9} = _____

Name : _____ Score : _____

Answer key

Scientific Notation - Standard

Mixed: MS1

Example: 1

Write 4.32215×10^5 in standard notation.

Here the exponent is 5. We should move the decimal point 5 places to the right.

4 . 3 2 2 1 5

4.32215×10^5 = **432, 215**

Example: 2

Write 3.7×10^{-6} in standard notation.

Here the exponent is -6. We should move the decimal point 6 places to the left.

0 0 0 0 0 0 3 . 7

3.7×10^{-6} = **0.0000037**

Express each number in standard notation.

1) 4.62×10^8 _____

2) 1.2561×10^{-5} _____

3) 9.082×10^{11} _____

4) 5.4×10^{-7} _____

5) 3.5624×10^{13} _____

6) 7.5005×10^{-1} _____

7) 1.28×10^8 _____

8) 2.119×10^{-10} = **0.0000000002119**

9) 8.0025×10^6 = **8, 002, 500**

10) 3.1×10^{-9} = **0.0000000031**