

Scientific Notation

Mixed: MS1

Example: 1

Write 514,223 in scientific notation.

We should move the decimal point 5 places to the left. So, the exponent will be 5.

$$514,223 = 5.14223 \times 10^5$$

Example: 2

Write 0.0000083 in scientific notation.

We should move the decimal point 6 places to the right. So, the exponent will be -6.

$$0.0000083 = 8.3 \times 10^{-6}$$

Express each number in scientific notation.

1) 18,451,000 = _____

2) 0.000004826 = _____

3) 5,820,000,000,000 = _____

4) 0.000000007269 = _____

5) 350,100,000,000,000 = _____

6) 0.00000000000014 = _____

7) 71,300,000 = _____

8) 0.00000002164 = _____

9) 30,000,000,000,000 = _____

10) 0.0000642 = _____