

## Scientific Notation

### Example: 1

Write 600,784 in scientific notation.

6 0 0 7 8 4 .

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

$$600,784 = 6.00784 \times 10^5$$

### Example: 2

Write 0.0000071 in scientific notation.

0 . 0 0 0 0 0 7 1

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

$$0.0000071 = 7.1 \times 10^{-6}$$

Express each number in scientific notation.

1) 0.0000000026 \_\_\_\_\_

2) 651,400 \_\_\_\_\_

3) 0.00000154 \_\_\_\_\_

4) 200,000,000 \_\_\_\_\_

5) 0.00000067 \_\_\_\_\_

6) 5,284,400,000 \_\_\_\_\_

7) 0.0000000000 \_\_\_\_\_

8) 0.0000212 = \_\_\_\_\_

9) 3,005,000 = \_\_\_\_\_

10) 0.000000000000806 = \_\_\_\_\_

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