

## Scientific Notation

### Example: 1

Write 324,170 in scientific notation.

3 2 4 1 7 0.

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

$$324,170 = 3.2417 \times 10^5$$

### Example: 2

Write 0.0000032 in scientific notation.

0.0 0 0 0 0 3 2

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

$$0.0000032 = 3.2 \times 10^{-6}$$

Express each number in scientific notation.

1) 0.000037 \_\_\_\_\_

2) 5,725,000,000 \_\_\_\_\_

3) 0.0000000425 \_\_\_\_\_

4) 100,020 \_\_\_\_\_

5) 0.0000000000 \_\_\_\_\_

6) 785,120,000 \_\_\_\_\_

7) 0.00000908 \_\_\_\_\_

8) 60,000,000,000 = \_\_\_\_\_

9) 0.000000001254 = \_\_\_\_\_

10) 2,915,000 = \_\_\_\_\_

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