

Scientific Notation

Positive: MS1

Example:

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.

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

Express each number in scientific notation

1) 2,343,600 _____

2) 512,420,000 _____

3) 4,600,000,000 _____

4) 725,000,000 _____

5) 120,000,000 _____

6) 100,180,000 _____

7) 81,000,000 _____

8) 14,752,000,000 = _____

9) 29,540,000,000,000 = _____

10) 6,241,000,000 = _____

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Answer key**Scientific Notation**

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Express each number in scientific notation

1) 2,343,600 _____

2) 512,420,000 _____

3) 4,600,000,000 _____

4) 725,000,000 _____

5) 120,000,000 _____

6) 100,180,000 _____

7) 81,000,000 _____

8) 14,752,000,000 = 1.4752 × 10¹⁰

9) 29,540,000,000,000 = 2.954 × 10¹³

10) 6,241,000,000 = 6.241 × 10⁹

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