

Scientific Notation

Positive: MS3

Example:

Write 659,172 in scientific notation.

6 5 9 1 7 2

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

$$659,172 = 6.59172 \times 10^5$$

Express each number in scientific notation

1) 480,000,000, _____

2) 100,000,000, _____

3) 9,520,000 _____

4) 3,200,000,0 _____

5) 7,285,700,0 _____

6) 247,000,000 _____

7) 50,423,000, _____

8) 13,425,000 = _____

9) 642,000,000,000,000 = _____

10) 99,522,000,000 = _____

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Answer key**Scientific Notation**

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4) 3,200,000,0 _____

5) 7,285,700,00 _____

6) 247,000,000 _____

7) 50,423,000, _____

8) 13,425,000

= 1.3425 × 10⁷

9) 642,000,000,000,000

= 6.42 × 10¹⁴

10) 99,522,000,000

= 9.9522 × 10¹⁰

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