

Name: _____

Date: _____ Score: _____

Scientific Notation

Example:

Write 4500 in scientific notation.

$4 \overbrace{5} \overbrace{0} \overbrace{0} .$ (move the decimal point 3 places to the left. The exponent will be 3)

↓

$$4,500 = 4.5 \times 10^3$$

Express each number in scientific notation.

① 435 = _____

② 2,414 = _____

③ 65,000 = _____

④ 55 = _____

⑤ 13,456 = _____

⑥ 321 = _____

⑦ 7,734 = _____

⑧ 212 = _____

⑨ 37 = _____

⑩ 9,223 = _____

⑪ 8,180 = _____

⑫ 26 = _____

⑬ 92,404 = _____

⑭ 16,028 = _____

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Scientific Notation

Example:

Write 4500 in scientific notation.

$4\overbrace{5}^{\curvearrowright}\overbrace{0}^{\curvearrowright}\overbrace{0}^{\curvearrowright}. (move\ the\ decimal\ point\ 3\ places\ to\ the\ left.\ The\ exponent\ will\ be\ 3)$

↓

$$4,500 = 4.5 \times 10^3$$

Answers

① $435 = \underline{4.35 \times 10^2}$

② $2,414 = \underline{2.414 \times 10^3}$

③ $65,000 = \underline{6.5 \times 10^4}$

④ $55 = \underline{5.5 \times 10^1}$

⑤ $13,456 = \underline{1.3456 \times 10^4}$

⑥ $321 = \underline{3.21 \times 10^2}$

⑦ $7,734 = \underline{7.734 \times 10^3}$

⑧ $212 = \underline{2.12 \times 10^2}$

⑨ $37 = \underline{3.7 \times 10^1}$

⑩ $9,223 = \underline{9.223 \times 10^3}$

⑪ $8,180 = \underline{8.18 \times 10^3}$

⑫ $26 = \underline{2.6 \times 10^1}$

⑬ $92,404 = \underline{9.2404 \times 10^4}$

⑭ $16,028 = \underline{1.6028 \times 10^4}$