

## Scientific Notation

Positive: ES2

### Example:

Write 5,100 in scientific notation.

5  $\downarrow$  1 0 0.

We should move the decimal point 3 places to the left. So, the exponent will be 3.

$$5,100 = 5.1 \times 10^3$$

Express each number in scientific notation.

1) 41,214 = \_\_\_\_\_

3) 6,142 = \_\_\_\_\_

5) 32,514 = \_\_\_\_\_

7) 1,490 = \_\_\_\_\_

9) 82 = \_\_\_\_\_

11) 27,254 = \_\_\_\_\_

12) 87,200 = \_\_\_\_\_

13) 62,503 = \_\_\_\_\_

14) 4,003 = \_\_\_\_\_

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**Answer key****Scientific Notation**

Positive: ES2

Example:

Write 5, 100 in scientific notation.

We should move the decimal point 3 places to the left. So, the exponent will be 3.

$$5, 100 = 5.1 \times 10^3$$

Express each number in scientific notation.

1) 41, 214 = \_\_\_\_\_

**$5.256 \times 10^3$**

3) 6, 142 = \_\_\_\_\_

**$9.15 \times 10^2$**

5) 32, 514 = \_\_\_\_\_

**$3.6 \times 10$**

7) 1, 490 = \_\_\_\_\_

**$1.2568 \times 10^4$**

9) 82 = \_\_\_\_\_

**$6.2569 \times 10^4$**

11) 27, 254 =  **$2.7254 \times 10^4$**

12) 87, 200 =  **$8.72 \times 10^4$**

13) 62, 503 =  **$6.2503 \times 10^4$**

14) 4, 003 =  **$4.003 \times 10^3$**

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