

## Scientific Notation - Standard

Positive: ES2

### Example:

Write  $7.1 \times 10^3$  in standard notation.

Here the exponent is 3. We should move the decimal point 3 places to the right.

$$\begin{array}{c}
 \text{7.1 0 0} \\
 \text{7.1} \times 10^3 = \mathbf{7,100}
 \end{array}$$

Express each number in standard notation

1)  $3.1056 \times 10^2$  = \_\_\_\_\_

3)  $82.456 \times 10^4$  = \_\_\_\_\_

5)  $1.5812 \times 10^3$  = \_\_\_\_\_

7)  $9.256 \times 10$  = \_\_\_\_\_

9)  $1.15 \times 10^5$  = \_\_\_\_\_

11)  $7.2567 \times 10^3$  = \_\_\_\_\_

12)  $5.7605 \times 10^5$  = \_\_\_\_\_

13)  $6.27 \times 10^2$  = \_\_\_\_\_

14)  $85.221 \times 10^4$  = \_\_\_\_\_

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**Answer key****Scientific Notation - Standard**

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Here the exponent is 3. We should move the decimal point 3 places to the right.

$$\begin{array}{c}
 \text{7.1 0 0} \\
 \text{7.1} \times 10^3 = \mathbf{7,100}
 \end{array}$$

Express each number in standard notation

1)  $3.1056 \times 10^2$

= 241

3)  $82.456 \times 10^4$

= 50,237

5)  $1.5812 \times 10^3$

= 4,210

7)  $9.256 \times 10$

= 245,160

9)  $1.15 \times 10^5$

= 32

11)  $7.2567 \times 10^3$  = 7256.7

12)  $5.7605 \times 10^5$  = 576,050

13)  $6.27 \times 10^2$  = 627

14)  $85.221 \times 10^4$  = 852,210

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