

**Scientific Notation - Standard**

Positive: ES3

Example:Write  $1.52 \times 10^2$  in standard notation.

Here the exponent is 2. We should move the decimal point 2 places to the right.

$$1.52 \times 10^2 = 152$$

Express each number in standard notation

1)  $4.125 \times 10^3$  = \_\_\_\_\_

3)  $9.1612 \times 10^5$  = \_\_\_\_\_

5)  $6.005 \times 10^4$  = \_\_\_\_\_

7)  $1.347 \times 10^2$  = \_\_\_\_\_

9)  $2.1 \times 10$  = \_\_\_\_\_

11)  $8.2016 \times 10^4$  = \_\_\_\_\_

12)  $2.205 \times 10^2$  = \_\_\_\_\_

13)  $7.9658 \times 10^3$  = \_\_\_\_\_

14)  $4.2569 \times 10^5$  = \_\_\_\_\_

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

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Example:Write  $1.52 \times 10^2$  in standard notation.

Here the exponent is 2. We should move the decimal point 2 places to the right.

$$1.52 \times 10^2 = 152$$

Express each number in standard notation

1)  $4.125 \times 10^3$

= 740.1

3)  $9.1612 \times 10^5$

= 2,537

5)  $6.005 \times 10^4$

= 572,560

7)  $1.347 \times 10^2$

= 35,012

9)  $2.1 \times 10$

= 6,548

11)  $8.2016 \times 10^4$  = 82,016

12)  $2.205 \times 10^2$  = 220.5

13)  $7.9658 \times 10^3$  = 7965.8

14)  $4.2569 \times 10^5$  = 425,690

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