



### Pre-Algebra: Scientific Notation #1 (page 1)

Circle the numbers that are in correct scientific notations. Write those that are not in correct scientific notation.

1.  $2.1 \times 10^5$                       2.  $37.6 \times 10^4$                       3.  $6.8 \times 10^{-2}$   
4.  $0.38 \times 10^5$                       5.  $452.7 \times 10^{-5}$                       6.  $0.0051 \times 10^5$

Write each of the following numbers in scientific notation. Round to two decimal places if necessary.

7. 430,000 = \_\_\_\_\_                      8. 0.000032 = \_\_\_\_\_  
9. 0.000000041 = \_\_\_\_\_                      10. 351,000,000,000 = \_\_\_\_\_  
11.  $6.78 \times 10^5 =$  \_\_\_\_\_                      12.  $2.3 \times 10^8 =$  \_\_\_\_\_  
13.  $5.11 \times 10^{-5} =$  \_\_\_\_\_                      14.  $3.41 \times 10^{-3} =$  \_\_\_\_\_



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Write each of the following numbers in standard notation.  
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Pre-Algebra: Scientific Notation #1 (page 2)

15. This is a picture of a calculator screen. Which is an answer to the problem on the calculator?

$(3.5E-8)(2E4)$

Show your work for how you got the answer for the multiple choice question.

Which is an answer to the problem on the calculator?

- (A)  $7E-12$                       (B)  $7E-4$   
(C)  $1.5E-4$                     (D)  $7E4$

16.  $6.7E10 =$  \_\_\_\_\_                      17.  $4.5E-5 =$  \_\_\_\_\_

Fill in the blank to make the statement true.

18.  $2.1 \times 10^6$  is \_\_\_\_\_ times larger than  $2.1 \times 10^3$ .  
19.  $4.2 \times 10^5$  is \_\_\_\_\_ times larger than  $2.1 \times 10^2$ .  
20.  $9.6 \times 10^4$  is \_\_\_\_\_ times larger than  $9.6 \times 10^{-1}$ .

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(E)  $1.5E-4$                     (D)  $7E4$

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