



Pre-Algebra: Scientific Notation #2 (page 1)

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

1. 32.1×10^7 2. 3.6×10^4 3. 7.8×10^{-5}
 4. 3.88×10^5 5. 45.27×10^{-5} 6. 0.000051×10^5

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

7. 430,000,000 = _____ 8. 0.00000032 = _____
 9. 0.0000041 = _____ 10. 35,000,000,000 = _____

Write each of the following numbers in standard notation.

15. $6.78 \times 10^3 =$ _____ 16. $2.7 \times 10^8 =$ _____
 17. $5.11 \times 10^{-6} =$ _____ 18. $2.81 \times 10^{-8} =$ _____



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

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

$$(2.5 E^{-6})(2 E 4)$$

Which is an answer to the problem on the calculator?

- (A) $4.5 E^{-2}$ (B) $4.5 E 10$
(C) $5 E^{-2}$ (D) $5 E 24$

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

16. $6.7E7 =$ _____

17. $4.5E-4 =$ _____

Fill in the blank to make the statement true.

18. 2.1×10^8 is _____ times larger than 2.1×10^3 .

19. 4.2×10^4 is _____ times larger than 4.2×10^{-2} .

20. 8.4×10^5 is _____ times larger than 4.2×10^7 .

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