

Lesson 4.3T ~ Scientific Notation

Name _____ Period _____ Date _____

Scientific notation is an expression in the form $N \times 10^P$.

1. N is a number whose absolute value is between _____ and _____.
2. P must be an _____.

Write each large or small number in scientific notation.

3. $0.00052 = \text{_____} \times 10\text{—}$

4. $8,300 = \text{_____} \times 10\text{—}$

5. $7,000,000 = \text{_____} \times 10\text{—}$

6. $0.0041 = \text{_____} \times 10\text{—}$

7. 0.000009

8. $82,000$

9. 190

10. 0.007

Write the following numbers in standard notation.

11. 3.8×10^3

12. 7.1×10^{-2}

13. 4×10^3

14. 3×10^{-2}

15. 9.28×10^5

16. 5.15×10^{-4}

17. A movie had a budget of \$59,000,000. Write this number in scientific notation.
18. In 2008, Idaho's population could be approximated by 1.5×10^6 . Write this in standard notation.
19. Hank hauled 6.7×10^3 pounds of rocks. Nyson hauled 2.4×10^4 pounds of rocks. Who hauled more rocks?
20. List the following numbers in order from least to greatest.

8.3×10^{-2}

0.06

0.095

7.2×10^{-3}

_____, _____, _____, _____
Least Greatest

Least

Greatest