

Algebra Worksheet

Name: _____

Scientific Notation

Period: _____ #: _____

Write each number in Standard Notation.

1. 7×10^4

2. 5.71×10^{-5}

3. 31.3×10^6

Write each number in Scientific Notation.

4. 51,000,000

5. 975,000,000,000

6. 0.00000012

Order the numbers in each list from least to greatest.

7. 7×10^6 , 6×10^4 , 7×10^7 , 9×10^8

8. 4.8×10^{-6} , 6.5×10^{-4} , 5.01×10^{-8} , 9.99×10^{-5}

9. 0.53×10^3 , 5300×10^{-2} , 5.3×10^5 , 530×10^8 (hint: convert each to **correct** scientific notation)

Simplify. Write each number using Scientific Notation.

10. $4(3 \times 10^5)$

11. $5(5 \times 10^4)$

12. $5(7 \times 10^{-2})$

13. $7(9 \times 10^6)$

14. $0.2(3 \times 10^2)$

15. $6(5.3 \times 10^{-4})$