

Algebra 0507**Chapter 8****Intro to WS # 7****Name** _____**Scientific Notation****Scientific Notation** is used for numbers that are very big and very small.

Very big: 10,000,000,000,000,000

Very small: 0.0000000458

To write in scientific notation:5,284,000,000,000,000: 5.284×10^{15} 0.0000000458: 4.58×10^{-8} **Rule:** _____

Scientific Notation	NOT Scientific Notation
3.71×10^4	$.00253 \times 10^4$
8.254×10^{-3}	584
1.58×10^6	325.89×10^6

Write in scientific notation.

1. 520	2. 4800	3. 0.08

4. 0.005	5. 0.000032	6. 0.0014
7. 250,000,000	8. 0.00075	9. 0.043×10^3

Write in decimal form.

10. 5×10^3	11. 1.58×10^6	12. 4.82×10^2
13. 6×10^{-6}	14. 3.75×10^{-8}	15. 1.28×10^{-4}