

Algebra 0507
Chapter 8
WS # 9

Name _____

Express each number in scientific notation.

1. 6387	2. 560,000	3. 41,000,000
4. 0.003157	5. 0.00009621	6. 0.00000000814
7. 4740×10^5	8. 56×10^7	9. 0.0057×10^3
10. 0.076×10^{-3}	11. 915,600,000,000	12. 0.00000000000112

Express the product or quotient in scientific notation and decimal notation.

13. $\frac{5.1 \times 10^6}{1.5 \times 10^2}$ Scientific _____ Decimal _____	14. $\frac{3 \times 10^{-2}}{1.2 \times 10^3}$ Scientific _____ Decimal _____
15. $\frac{7.2 \times 10^{-5}}{4 \times 10^{-3}}$ Scientific _____ Decimal _____	16. $\frac{1.17 \times 10^2}{5 \times 10^{-1}}$ Scientific _____ Decimal _____

17. $\frac{1.82 \times 10^5}{9.1 \times 10^7}$ Scientific_____ Decimal_____	18. $\frac{1.68 \times 10^4}{8.4 \times 10^{-4}}$ Scientific_____ Decimal_____
19. $3.1 \times 10^7 \quad 2 \times 10^{-5}$ Scientific_____ Decimal_____	20. $5 \times 10^{-2} \quad 1.4 \times 10^{-4}$ Scientific_____ Decimal_____
21. $8.3 \times 10^2 \quad 9.1 \times 10^{-7}$ Scientific_____ Decimal_____	22. $9.72 \times 10^7 \quad 4.8 \times 10^{-10}$ Scientific_____ Decimal_____
23. $1.39 \times 10^{-3} \quad 5.82 \times 10^{-6}$ Scientific_____ Decimal_____	24. $2.5 \times 10^5 \quad 3.62 \times 10^{-5}$ Scientific_____ Decimal_____