

Practice 8-2

Write each number in standard notation.

- 1. 7×10^4 2. 3×10^{-2} 3. 2.6×10^5 4. 7.1×10^{-4}
- 5. 31.3×10^6 6. 83.7×10^{-4} 7. 0.018×10^{-1} 8. 0.016×10^5

Write each number in scientific notation.

- 9. 51,000,000 10. 975,000,000,000 11. 0.00000012 12. 0.000005008
- 13. 194×10^3 14. 154×10^{-3} 15. 0.05×10^6 16. 0.031×10^{-4}

Order the numbers in each list from least to greatest.

- 17. 7×10^{-7} , 6×10^{-8} , 5×10^{-6} , 4×10^{-10}
 - 18. 62,040, 6.2×10^2 , 6.207×10^3 , 6.34×10^{-1}
- Simplify. Write each answer using scientific notation.
- 19. $4(3 \times 10^5)$ 20. $5(7 \times 10^{-2})$ 21. $8(9 \times 10^9)$
 - 22. $3(1.2 \times 10^{-4})$ 23. $3(4.3 \times 10^{-4})$ 24. $3(3.2 \times 10^{-2})$

Complete the table.

Units of Area in Square Feet		
Unit	Standard Form	Scientific Notation
46. 1 in. ²		6.9444×10^{-3}
47. 1 link ²	0.4356	
48. 1 rod ²	272.25	
49. 1 mi ²		2.78×10^7
50. 1 cm ²	0.001076	
51. 1 hectare		1.0×10^7