

4-8

Practice

Scientific Notation

Express each number in standard form.

- | | |
|---------------------------|---------------------------|
| 1. 2.4×10^4 | 2. 9.0×10^3 |
| 3. 4.385×10^7 | 4. 1.03×10^8 |
| 5. 3.05×10^2 | 6. 5.11×10^{10} |
| 7. 6.000032×10^6 | 8. 1.0×10^1 |
| 9. 8.75×10^5 | 10. 8.49×10^{-2} |
| 11. 7.1×10^{-6} | 12. 1.0×10^{-3} |
| 13. 4.39×10^{-7} | 14. 1.25×10^{-4} |

Express each number in scientific notation.

- | | |
|-----------------------|-------------|
| 15. 40,000 | 16. 16 |
| 17. 876,000,000 | 18. 4500 |
| 19. 151 | 20. 0.00037 |
| 21. 83,000,000 | 22. 919,100 |
| 23. 5,000,000,000,000 | 24. 0.13 |
| 25. 0.0000007 | 26. 0.0067 |

NIAGARA FALLS For Exercises 27 and 28, use the following information.

Every minute, 840,000,000,000 drops of water flow over Niagara Falls.

27. Write this number in scientific notation.
28. How many drops flow over the falls in a day?