

Worksheet 4-4 - PreAlgebra

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

Order each set of numbers from least to greatest.

27. 7.35×10^4 , 1.7×10^{-6} , 8.26×10^3 , 9.3×10^{-2}

28. 0.00048, 4.37×10^{-4} , 4.02×10^{-3} , 0.04

29. Every minute, 840,000,000,000 drops of water flow over Niagara Falls. Write this number in scientific notation.

30. A scientist said the mass of a sample was 0.00000017 kg. Write this measurement in scientific notation.