

Scientific Notation**Express each measure in standard form.**

1. 4 gigabytes

2. 78 kilowatts

3. 9 megahertz

4. 7.5 milliamperes

5. 2.3 nanoseconds

6. 3.7 micrograms

Express each number in scientific notation.

7. 6300

8. 4,600,000

9. 92.3

10. 51,200

11. 776,000

12. 68,200,000

13. 0.00013

14. 0.000009

15. 0.026

16. 0.04

17. 0.0055

18. 0.000031

Evaluate each expression. Express each result in scientific notation and in standard form.

19. $(4 \times 10^3)(2 \times 10^4)$

20. $(3 \times 10^2)(1.5 \times 10^{-5})$

21. $(6 \times 10^{-7})(1.5 \times 10^9)$

22. $(7 \times 10^{-3})(2.1 \times 10^{-3})$

23. $\frac{5.1 \times 10^5}{1.7 \times 10^7}$

24. $\frac{3.6 \times 10^6}{2 \times 10^2}$

25. $\frac{8.5 \times 10^{-3}}{2.5 \times 10^6}$

26. $\frac{2.7 \times 10^2}{3 \times 10^{-4}}$

27. $\frac{3.9 \times 10^4}{3 \times 10^7}$