PRACTICE

Write each number in scientific notation.

1. 58,927

2. 1,304,000,000

3. 0.000487

4. 0.000028

5. 0.000059

6. 6,730,000

7. 13,300

8. 0.0417

Write each number in standard notation.

9. 4×10^{5}

10. 1.8499×10^{9}

11. 8.3×10^{-4}

12. 3.582×10^{-6}

13. 2.97×10^{-2}

14. 6.41×10^{3}

15. 8.456×10^{7}

16. 9.06×10^{-5}

Circle the correct answer.

17. 8×10^{5} is 2 / 20 / 200 / 2,000 times as great as 4×10^{2}.

18. 9×10^{10} is 30 / 300 / 3,000 / 30,000 times as great as 3×10^{7}.

19. 4×10^{-5} is 0.02 / 0.2 / 2 / 20 times as great as 2×10^{-4}.

20. 4×10^{-12} is 0.00001 / 0.0001 / 10 / 1000 times as great as 4×10^{-8}.

21. The mass of a proton is about 1.7×10^{-24} g. The mass of a neutron is about the same as a proton. The nucleus of an atom of carbon has 6 protons and 6 neutrons. The mass of the nucleus is about 2×10^{-26} units. Circle the best choice for the units this measurement is given in: g / kg / tons

2. The air distance between Los Angeles, California, and New York City, New York, is about 3.9×10^{3} units. Circle the best choice for the units this measurement is given in: cm / m / km