

Practice 3-2

Scientific Notation

Write each number in scientific notation.

1. 73,000,000

2. 4,300

3. 510

4. 56,870

5. 68,900

6. 98,000,000,000

7. 4,890,000

8. 38

9. 120,000

10. 543,000

11. 27

12. 54,000

Write in standard form.

13. 5.7×10^6

14. 2.45×10^8

15. 4.706×10^{11}

16. 8×10^1

17. 7.2×10^3

18. 1.63×10^{12}

19. 8.03×10^{14}

20. 3.26×10^4

21. 5.179×10^5

Write each number in scientific notation.

22. One type of roundworm can lay 200,000 eggs each day.

23. The nose of a German shepherd dog has about 220 million cells that are used in picking out smells.

24. In a given day, a total of 15,000 tons of potatoes are consumed by the people of Britain.

25. Personal computers are often equipped with 572,000 bytes of RAM (random access memory).

26. The brain contains about 100 trillion nerve connections.

27. During an average life span, the human heart will beat about 2,800,000,000 times.

28. The volume of the water behind the Grand Coulee Dam is about 10.6 million cubic yards.

29. A second has been defined as the time it takes for an atom of a particular metal to vibrate 9,192,631,770 times.
