

LESSON
2-9 **Homework and Practice**
Scientific Notation

Write each number in standard notation.

1. 6.12×10^2

2. 7.9×10^{-3}

3. 4.87×10^4

4. 9.3×10^{-2}

5. 8.06×10^3

6. 5.7×10^{-4}

7. 3.17×10^{-5}

8. 9.00613×10^{-2}

9. 9.85×10^{-5}

10. 6.004×10^7

11. 8.23×10^4

12. 1.48×10^{-6}

Write each number in scientific notation.

13. 108,000,000

14. 0.5943

15. 42

16. 0.0000673

17. 0.0056

18. 6004

19. 0.00852

20. 24,631,500

21. 89450

22. 0.005702

23. 8,005,000,000

24. 0.00012805

25. The mass of the Earth is 5,980,000,000,000,000,000,000 kilograms. Write this number in scientific notation.

26. The mass of a dust particle is 7.53×10^{-10} . Write this number in standard notation.

LESSON

2-9**Homework and Practice****Scientific Notation**

Write each number in standard notation.

1. 6.12×10^2

612

2. 7.9×10^{-3}

0.0079

3. 4.87×10^4

48,700

4. 9.3×10^{-2}

0.093

5. 8.06×10^3

8,060

6. 5.7×10^{-4}

0.00057

7. 3.17×10^{-5}

0.0000317

8. 9.00613×10^{-2}

0.0900613

9. 9.85×10^{-5}

0.0000985

10. 6.004×10^7

60,040,000

11. 8.23×10^4

82,300

12. 1.48×10^{-6}

0.00000148

Write each number in scientific notation.

13. 108,000,000

 1.08×10^8

14. 0.5943

 5.943×10^{-1}

15. 42

 4.2×10^1

16. 0.0000673

 6.73×10^{-5}

17. 0.0056

 5.6×10^{-3}

18. 6004

 6.004×10^3

19. 0.00852

 8.52×10^{-3}

20. 24,631,500

 2.46315×10^7

21. 89450

 8.945×10^4

22. 0.005702

 5.702×10^{-3}

23. 8,005,000,000

 8.005×10^9

24. 0.00012805

 1.2805×10^{-4}

25. The mass of the Earth is 5,980,000,000,000,000,000,000 kilograms. Write this number in scientific notation.

 5.98×10^{24} 26. The mass of a dust particle is 7.53×10^{-10} . Write this number in standard notation.0.000000000753 kg