

Scientific Notation 4/4

This is a set of exercises to practice multiplication and division of two numbers that are written using Scientific Notation.

Solved examples in Youtube:



[“Cómo multiplicar o dividir en notación científica, ejemplos”](https://www.youtube.com/watch?v=1iWYvT8pT-c&t=16s)

<https://www.youtube.com/watch?v=1iWYvT8pT-c&t=16s>

Example: Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 5.0e+07 \\ \div \\ -6.0e-08 \\ \hline ? = \end{array}$$

Solution:

$$\frac{5.0 \times 10^7}{-6.0 \times 10^{-8}} \rightarrow \left(-\frac{5}{6}\right) \times \left(\frac{10^7}{10^{-8}}\right) \rightarrow \left(-\frac{5}{6}\right) \times 10^7 \times 10^8$$
$$\left(-\frac{5}{6}\right) \times 10^{15}$$

Answer:

$$\frac{5.0 \times 10^7}{-6.0 \times 10^{-8}} = \left(-\frac{5}{6}\right) \times 10^{15}, \text{ which can be written as: } -8,33 \times 10^{14}$$

1. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 6.0e+06 \\ * \\ 8.0e+01 \\ \hline ? = \end{array}$$

2. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-05 \\ \div \\ 9.0e+07 \\ \hline ? = \end{array}$$

3. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -7.0e+07 \\ \div \\ 6.0e-07 \\ \hline ? = \end{array}$$

4. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -2.0e+06 \\ \div \\ 9.0e+02 \\ \hline \end{array}$$

? =

5. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -9.0e+05 \\ \div \\ 4.0e+04 \\ \hline \end{array}$$

? =

6. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 5.0e-03 \\ \div \\ -7.0e+03 \\ \hline \end{array}$$

? =

7. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -9.0e-05 \\ -8.0e+05 \\ \hline ? = \end{array}$$

8. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ 4.0e-04 \\ -9.0e-02 \\ \hline ? = \end{array}$$

9. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ -2.0e+04 \\ -6.0e-01 \\ \hline ? = \end{array}$$

10. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -1.0e+02 \\ \div \\ 5.0e-05 \\ \hline ? = \end{array}$$

11. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 4.0e+02 \\ * \\ -8.0e-01 \\ \hline ? = \end{array}$$

12. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e-04 \\ \div \\ -6.0e+04 \\ \hline ? = \end{array}$$

13. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e-01 \\ \div \\ 8.0e+07 \\ \hline ? = \end{array}$$

14. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 1.0e-08 \\ * \\ -5.0e+05 \\ \hline ? = \end{array}$$

15. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e+05 \\ * \\ 9.0e-04 \\ \hline ? = \end{array}$$

16. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -6.0e-05 \\ \div \\ -1.0e-04 \\ \hline ? = \end{array}$$

17. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 7.0e+01 \\ \div \\ 8.0e-05 \\ \hline ? = \end{array}$$

18. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 5.0e+04 \\ * \\ 1.0e-09 \\ \hline ? = \end{array}$$

19. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -9.0e+00 \\ \div \\ 9.0e-08 \\ \hline ? = \end{array}$$

20. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 1.0e-02 \\ * \\ -3.0e-07 \\ \hline ? = \end{array}$$

21. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 6.0e-04 \\ \div \\ -7.0e+01 \\ \hline ? = \end{array}$$

22. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e+02 \\ \div \\ 5.0e-02 \\ \hline ? = \end{array}$$

23. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-06 \\ \div \\ -7.0e+05 \\ \hline ? = \end{array}$$

24. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 1.0e+08 \\ * \\ -1.0e-08 \\ \hline ? = \end{array}$$

25. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e-10 \\ \div \\ 6.0e+06 \\ \hline ? = \end{array}$$

26. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-03 \\ * \\ 6.0e-02 \\ \hline ? = \end{array}$$

27. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 8.0e-07 \\ * \\ -7.0e-08 \\ \hline ? = \end{array}$$

28. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 7.0e+00 \\ \div \\ -7.0e+05 \\ \hline \end{array}$$

? =

29. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-04 \\ \div \\ -2.0e-09 \\ \hline \end{array}$$

? =

30. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e-08 \\ * \\ -5.0e-02 \\ \hline \end{array}$$

? =

31. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -9.0e+06 \\ \div \\ -3.0e+06 \\ \hline ? = \end{array}$$

32. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -3.0e-08 \\ \div \\ -2.0e-06 \\ \hline ? = \end{array}$$

33. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -2.0e-08 \\ * \\ 9.0e+07 \\ \hline ? = \end{array}$$

34. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-09 \\ * \\ -3.0e+05 \\ \hline ? = \end{array}$$

35. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -1.0e-08 \\ * \\ 3.0e+03 \\ \hline ? = \end{array}$$

36. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 3.0e-02 \\ \div \\ -4.0e+03 \\ \hline ? = \end{array}$$

37. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -6.0e+02 \\ -3.0e+01 \\ \hline ? = \end{array}$$

38. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ 6.0e-09 \\ 6.0e-01 \\ \hline ? = \end{array}$$

39. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -1.0e-02 \\ 6.0e+04 \\ \hline ? = \end{array}$$

40. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 3.0e-03 \\ \div \\ 1.0e-04 \\ \hline ? = \end{array}$$

41. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e+06 \\ \div \\ 2.0e+01 \\ \hline ? = \end{array}$$

42. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -6.0e-05 \\ * \\ -5.0e+05 \\ \hline ? = \end{array}$$

43. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -6.0e-06 \\ -5.0e-02 \\ \hline ? = \end{array}$$

44. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -4.0e+07 \\ -6.0e+06 \\ \hline ? = \end{array}$$

45. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ 1.0e-01 \\ -5.0e-03 \\ \hline ? = \end{array}$$

46. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-05 \\ \div \\ 4.0e-06 \\ \hline ? = \end{array}$$

47. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-05 \\ * \\ -2.0e-01 \\ \hline ? = \end{array}$$

48. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-05 \\ \div \\ -9.0e+07 \\ \hline ? = \end{array}$$

49. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 5.0e-01 \\ \div \\ -5.0e-02 \\ \hline ? = \end{array}$$

50. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e+00 \\ \div \\ -5.0e-01 \\ \hline ? = \end{array}$$

51. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e+02 \\ * \\ -3.0e+08 \\ \hline ? = \end{array}$$

52. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -9.0e+06 \\ \div \\ 6.0e-08 \\ \hline ? = \end{array}$$

53. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e-04 \\ \div \\ -7.0e+03 \\ \hline ? = \end{array}$$

54. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e+02 \\ * \\ 6.0e+03 \\ \hline ? = \end{array}$$

55. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 8.0e+06 \\ * \\ 4.0e-06 \\ \hline ? = \end{array}$$

56. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -9.0e+03 \\ \div \\ 8.0e+01 \\ \hline ? = \end{array}$$

57. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e+05 \\ \div \\ 2.0e-07 \\ \hline ? = \end{array}$$

58. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -5.0e+06 \\ -7.0e+08 \\ \hline ? = \end{array}$$

59. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ 4.0e-01 \\ -9.0e+02 \\ \hline ? = \end{array}$$

60. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ -9.0e-09 \\ -8.0e+05 \\ \hline ? = \end{array}$$

61. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 6.0e+03 \\ * \\ 3.0e-01 \\ \hline ? = \end{array}$$

62. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e+02 \\ \div \\ -1.0e-02 \\ \hline ? = \end{array}$$

63. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 7.0e-08 \\ * \\ -7.0e-03 \\ \hline ? = \end{array}$$

64. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ 7.0e+04 \\ -2.0e-01 \\ \hline ? = \end{array}$$

65. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ -2.0e+02 \\ -4.0e-02 \\ \hline ? = \end{array}$$

66. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -1.0e+09 \\ -8.0e-03 \\ \hline ? = \end{array}$$

67. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -6.0e-01 \\ 9.0e+07 \\ \hline ? = \end{array}$$

68. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -9.0e+03 \\ -2.0e+00 \\ \hline ? = \end{array}$$

69. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ 9.0e-02 \\ -4.0e+03 \\ \hline ? = \end{array}$$

70. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 3.0e+00 \\ \div \\ 3.0e-07 \\ \hline ? = \end{array}$$

71. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -7.0e+08 \\ * \\ -9.0e+00 \\ \hline ? = \end{array}$$

72. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 8.0e+02 \\ * \\ -3.0e-02 \\ \hline ? = \end{array}$$

73. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 1.0e-06 \\ \div \\ 3.0e-03 \\ \hline ? = \end{array}$$

74. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -6.0e-02 \\ * \\ -8.0e+01 \\ \hline ? = \end{array}$$

75. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e-03 \\ \div \\ -5.0e-05 \\ \hline ? = \end{array}$$

76. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-05 \\ \div \\ 1.0e+04 \\ \hline ? = \end{array}$$

77. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -3.0e+01 \\ * \\ 8.0e+06 \\ \hline ? = \end{array}$$

78. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 6.0e-05 \\ \div \\ -1.0e-01 \\ \hline ? = \end{array}$$

79. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -4.0e-07 \\ -2.0e-08 \\ \hline ? = \end{array}$$

80. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ 2.0e-02 \\ 4.0e+01 \\ \hline ? = \end{array}$$

81. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -9.0e-09 \\ 1.0e+02 \\ \hline ? = \end{array}$$

82. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -2.0e+05 \\ \div \\ 9.0e+00 \\ \hline ? = \end{array}$$

83. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -3.0e-08 \\ \div \\ 6.0e-02 \\ \hline ? = \end{array}$$

84. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -8.0e-05 \\ * \\ -4.0e-02 \\ \hline ? = \end{array}$$

85. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 1.0e-02 \\ \div \\ 9.0e+01 \\ \hline ? = \end{array}$$

86. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e-06 \\ \div \\ -4.0e+02 \\ \hline ? = \end{array}$$

87. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 4.0e-09 \\ * \\ -6.0e+02 \\ \hline ? = \end{array}$$

88. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e-04 \\ * \\ 9.0e+02 \\ \hline ? = \end{array}$$

89. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 7.0e-04 \\ \div \\ 4.0e-10 \\ \hline ? = \end{array}$$

90. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-03 \\ \div \\ -1.0e-01 \\ \hline ? = \end{array}$$

91. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -2.0e-02 \\ \div \\ -4.0e+04 \\ \hline ? = \end{array}$$

92. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -1.0e-09 \\ * \\ 4.0e-01 \\ \hline ? = \end{array}$$

93. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -7.0e-04 \\ \div \\ -6.0e+03 \\ \hline ? = \end{array}$$

94. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} * \\ -5.0e+07 \\ 5.0e-07 \\ \hline ? = \end{array}$$

95. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ -4.0e-08 \\ 4.0e+00 \\ \hline ? = \end{array}$$

96. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} \div \\ -1.0e+02 \\ 4.0e+01 \\ \hline ? = \end{array}$$

97. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 9.0e-06 \\ \div \\ -5.0e-08 \\ \hline ? = \end{array}$$

98. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} 2.0e-02 \\ * \\ 3.0e+04 \\ \hline ? = \end{array}$$

99. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -3.0e+02 \\ * \\ 7.0e+05 \\ \hline ? = \end{array}$$

100. Compute the following operation. Do not use any electronic device, use your brain, pencil and paper.

$$\begin{array}{r} -5.0e+01 \\ \div \\ 1.0e+06 \\ \hline ? = \end{array}$$