

Scientific Notation 3/4

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

Solved examples in Youtube:



[“Cómo sumar o restar utilizando notación científica, ejemplos”](https://www.youtube.com/watch?v=e7yduZs8YzU)

<https://www.youtube.com/watch?v=e7yduZs8YzU>

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

$$\begin{array}{r} 6.80e+05 \\ + \\ 2.30e+06 \\ \hline ? = \end{array}$$

Solution:

Conveniently convert both numbers to the same exponent, for instance $\times 10^5$:

$6,80 \times 10^5 + 23,0 \times 10^5$, then carry out the addition of the coefficients: $29,8 \times 10^5$

If the decision was $\times 10^6$

$0,680 \times 10^6 + 2,3 \times 10^6$, then carry out the addition of the coefficients: $2,98 \times 10^6$

You can choose an exponent different than 5 or 6, it could be anyone.

Answer:

$$29,8 \times 10^5 = 2,98 \times 10^6$$

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

$$\begin{array}{r} 6.30e+06 \\ + \\ 8.30e+07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -8.00e-05 \\ - \\ 9.20e-04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -6.80e+07 \\ - \\ -3.00e+07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -7.20\text{e-}02 \\ - \\ 5.80\text{e-}01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.10\text{e-}09 \\ - \\ 8.70\text{e-}08 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 5.20\text{e+}03 \\ + \\ 3.10\text{e+}02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.10e-09 \\ + \\ -9.10e-10 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 6.50e+03 \\ + \\ 9.00e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.20e-03 \\ - \\ 5.90e-04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.00\text{e-}03 \\ - \\ 4.20\text{e-}01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.50\text{e+}02 \\ - \\ -6.70\text{e+}01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 9.20\text{e-}04 \\ - \\ -5.50\text{e-}03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.90e-01 \\ - \\ 7.80e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 9.00e-09 \\ + \\ -4.80e-07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.90e+05 \\ + \\ 8.60e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -6.10e-05 \\ - \\ -5.00e-07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 6.60e+01 \\ - \\ 8.30e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 5.10e+04 \\ + \\ 1.40e+03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -8.90e+00 \\ - \\ 8.70e-01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 1.40e-02 \\ + \\ -3.30e-03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 5.90e-04 \\ - \\ -6.70e-03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.70e+02 \\ - \\ 5.00e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -8.30e-06 \\ - \\ -7.00e-05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 8.00e+07 \\ + \\ -1.10e+07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 9.20e-10 \\ - \\ 6.30e-09 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} -8.30e-03 \\ + \\ 6.00e-04 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} 8.20e-07 \\ + \\ -7.10e-08 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} 8.20e-07 \\ + \\ -7.10e-08 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 7.40e+00 \\ - \\ -7.10e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 2.40e-04 \\ - \\ -2.00e-05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -5.20e-08 \\ + \\ -5.20e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -9.00e+06 \\ - \\ -2.00e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -3.20e+06 \\ + \\ -7.80e+07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.20\text{e-}06 \\ + \\ -8.10\text{e-}07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 8.80\text{e+}07 \\ - \\ -8.80\text{e+}06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.90\text{e+}05 \\ + \\ -9.10\text{e+}04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.00e+03 \\ - \\ -1.00e+04 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} -4.10e+03 \\ + \\ 3.70e+02 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} -2.60e+01 \\ - \\ -8.40e+02 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} 5.50e-01 \\ + \\ -1.10e-02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 2.00e-02 \\ - \\ 5.90e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.40e+05 \\ - \\ -3.00e+06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 7.50e+00 \\ - \\ 1.70e-01 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} -4.00e-02 \\ + \\ 6.90e-03 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} -5.50e-07 \\ + \\ -1.30e-08 \\ \hline \end{array}$$

? =

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

$$\begin{array}{r} 8.50e-02 \\ + \\ 8.10e-01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.20e-08 \\ + \\ -1.80e-07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.80e+01 \\ - \\ -5.60e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.10e-04 \\ + \\ 2.00e-06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.80e+04 \\ + \\ 8.60e+05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.00e-01 \\ + \\ -8.00e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 9.00e-02 \\ + \\ -2.00e-01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.60e-03 \\ + \\ 9.80e-04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 7.70e+06 \\ - \\ -8.00e+05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -3.30e+02 \\ + \\ 4.40e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.10e-01 \\ - \\ 4.30e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 7.80e-04 \\ - \\ -6.00e-05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.90e-01 \\ + \\ 8.10e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 2.40e+05 \\ - \\ 1.50e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -5.20e+06 \\ + \\ -2.00e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 9.60e+03 \\ - \\ -6.00e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.60e-09 \\ + \\ 4.00e-11 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 6.40e+05 \\ - \\ -7.00e+06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.00e+07 \\ - \\ 6.00e+07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.40e+05 \\ + \\ -7.30e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.20e+05 \\ - \\ -8.80e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 5.00e-03 \\ - \\ 2.60e-03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.40e-10 \\ - \\ -6.70e-11 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.60e-06 \\ + \\ -3.20e-05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 8.40e-09 \\ - \\ -4.60e-10 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 1.00e+07 \\ + \\ 9.70e+06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.00e+02 \\ - \\ 4.00e+03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -6.40e-08 \\ - \\ -6.60e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 1.20e+06 \\ - \\ -6.20e+05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -8.00e+07 \\ + \\ 7.10e+09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -2.50e-07 \\ + \\ -4.00e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 1.80e-06 \\ + \\ 1.70e-07 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.20e+01 \\ + \\ 6.50e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.60e-04 \\ - \\ -7.80e-03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 7.60e+05 \\ + \\ 1.90e+04 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.50e-04 \\ + \\ -6.40e-05 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -8.10e+01 \\ + \\ 3.90e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 2.80e-09 \\ + \\ -3.60e-08 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.10e-03 \\ - \\ 4.40e-02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 6.00e-05 \\ + \\ 2.20e-03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.50e-08 \\ + \\ -6.90e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.20e-01 \\ + \\ 7.50e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 8.90e+01 \\ - \\ -5.20e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -4.20e+02 \\ - \\ -8.60e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -5.50e+02 \\ - \\ -3.10e+03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.50e-10 \\ - \\ -2.30e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -1.00e-01 \\ + \\ -8.00e-02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -3.60e+04 \\ + \\ -9.30e+03 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 4.40e-01 \\ + \\ -3.20e+00 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -6.20e+03 \\ + \\ 8.30e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 5.30e-07 \\ + \\ -8.20e-06 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.70e+00 \\ + \\ 2.90e+01 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.60e+01 \\ - \\ -5.80e+02 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} -5.30e-08 \\ - \\ -1.00e-09 \\ \hline ? = \end{array}$$

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

$$\begin{array}{r} 3.20e+04 \\ + \\ 3.20e+03 \\ \hline ? = \end{array}$$