

Ejercicios de aritmética

1. Sumas y restas

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|-------------------|------------------|------------------|------------------|
| 1. $-66 + 100 =$ | 26. $-8 + 11 =$ | 51. $47 + 45 =$ | 76. $84 + 35 =$ |
| 2. $36 + 29 =$ | 27. $-61 + 66 =$ | 52. $-87 + 78 =$ | 77. $28 - 12 =$ |
| 3. $-36 + 24 =$ | 28. $-19 - 2 =$ | 53. $90 - 1 =$ | 78. $-79 + 11 =$ |
| 4. $-87 + 49 =$ | 29. $20 - 32 =$ | 54. $-42 - 39 =$ | 79. $78 - 55 =$ |
| 5. $87 - 18 =$ | 30. $4 - 87 =$ | 55. $-46 - 58 =$ | 80. $-16 + 96 =$ |
| 6. $83 - 52 =$ | 31. $73 + 63 =$ | 56. $-49 + 14 =$ | 81. $-14 + 53 =$ |
| 7. $60 - 77 =$ | 32. $1 + 4 =$ | 57. $-17 - 16 =$ | 82. $54 - 67 =$ |
| 8. $9 + 46 =$ | 33. $-11 + 23 =$ | 58. $41 + 26 =$ | 83. $-34 - 1 =$ |
| 9. $-73 + 77 =$ | 34. $-76 - 55 =$ | 59. $-20 + 74 =$ | 84. $64 + 32 =$ |
| 10. $9 - 67 =$ | 35. $33 - 93 =$ | 60. $-61 - 77 =$ | 85. $34 + 26 =$ |
| 11. $-82 - 47 =$ | 36. $37 + 89 =$ | 61. $-57 - 34 =$ | 86. $48 + 36 =$ |
| 12. $-23 - 24 =$ | 37. $-59 + 79 =$ | 62. $93 - 40 =$ | 87. $-53 + 32 =$ |
| 13. $50 + 18 =$ | 38. $24 - 94 =$ | 63. $-31 + 30 =$ | 88. $-3 + 73 =$ |
| 14. $10 + 41 =$ | 39. $4 + 81 =$ | 64. $-76 + 62 =$ | 89. $-6 - 97 =$ |
| 15. $-1 + 34 =$ | 40. $50 - 31 =$ | 65. $44 - 90 =$ | 90. $-11 - 13 =$ |
| 16. $28 - 96 =$ | 41. $-82 - 4 =$ | 66. $-70 - 37 =$ | 91. $-77 - 99 =$ |
| 17. $-61 - 71 =$ | 42. $-1 + 62 =$ | 67. $-48 + 14 =$ | 92. $-80 + 89 =$ |
| 18. $-11 - 54 =$ | 43. $38 - 77 =$ | 68. $89 - 41 =$ | 93. $55 - 44 =$ |
| 19. $67 + 49 =$ | 44. $1 - 85 =$ | 69. $-74 + 45 =$ | 94. $-69 + 97 =$ |
| 20. $-14 - 70 =$ | 45. $65 - 2 =$ | 70. $-65 + 25 =$ | 95. $-96 + 2 =$ |
| 21. $-100 - 38 =$ | 46. $73 + 54 =$ | 71. $37 + 14 =$ | 96. $61 + 30 =$ |
| 22. $-21 + 22 =$ | 47. $-24 - 58 =$ | 72. $50 + 21 =$ | 97. $56 + 64 =$ |
| 23. $-14 + 76 =$ | 48. $43 + 19 =$ | 73. $21 + 83 =$ | 98. $67 - 2 =$ |
| 24. $-73 - 76 =$ | 49. $-44 + 45 =$ | 74. $-3 - 41 =$ | 99. $16 + 22 =$ |
| 25. $-31 + 6 =$ | 50. $31 + 87 =$ | 75. $-57 + 15 =$ | 100. $-8 - 89 =$ |

2. Productos

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|---------------------|---------------------|----------------------|------------------------|
| 1. $(6)(-7) =$ | 31. $-27(17) =$ | 61. $(71)(-80) =$ | 91. $(180)(-114) =$ |
| 2. $(-9)(-3) =$ | 32. $(-12)(11) =$ | 62. $(77)(-63) =$ | 92. $195(-128) =$ |
| 3. $(5)(9) =$ | 33. $(-12)(30) =$ | 63. $-54(-97) =$ | 93. $158 * 159 =$ |
| 4. $(-4)(6) =$ | 34. $30(-17) =$ | 64. $63 \cdot 59 =$ | 94. $(-162)(-185) =$ |
| 5. $(-6)(8) =$ | 35. $17 \cdot 11 =$ | 65. $(62)(-73) =$ | 95. $(-173)(129) =$ |
| 6. $(3)(3) =$ | 36. $(11)(24) =$ | 66. $-85(71) =$ | 96. $(-126)(-103) =$ |
| 7. $(-7)(9) =$ | 37. $(-16)(-23) =$ | 67. $-62(-99) =$ | 97. $(130)(122) =$ |
| 8. $(4)(-2) =$ | 38. $-25(-17) =$ | 68. $93(-94) =$ | 98. $-162(106) =$ |
| 9. $(-3)(4) =$ | 39. $-21(-19) =$ | 69. $(60)(-81) =$ | 99. $(188)(-111) =$ |
| 10. $(2)(-3) =$ | 40. $-24(15) =$ | 70. $98(-83) =$ | 100. $(-142)(-150) =$ |
| 11. $8(-2) =$ | 41. $-31(48) =$ | 71. $79 \cdot 76 =$ | 101. $(910)(-976) =$ |
| 12. $-5(2) =$ | 42. $36 * 46 =$ | 72. $(-70)(93) =$ | 102. $847(396) =$ |
| 13. $-4(8) =$ | 43. $(-33)(-37) =$ | 73. $(81)(-66) =$ | 103. $557(971) =$ |
| 14. $4 * 9 =$ | 44. $(40)(-34) =$ | 74. $(-60)(59) =$ | 104. $261(641) =$ |
| 15. $(-2)(2) =$ | 45. $(43)(-37) =$ | 75. $(51)(-82) =$ | 105. $690(-428) =$ |
| 16. $5(-4) =$ | 46. $-37(-42) =$ | 76. $(79)(-57) =$ | 106. $(768)(682) =$ |
| 17. $(9)(-8) =$ | 47. $(48)(-33) =$ | 77. $(-80)(58) =$ | 107. $-932(564) =$ |
| 18. $(-5)(8) =$ | 48. $(-50)(43) =$ | 78. $53 \cdot 86 =$ | 108. $(-632)(-444) =$ |
| 19. $-6(-6) =$ | 49. $(43)(-47) =$ | 79. $(74)(85) =$ | 109. $218 \cdot 555 =$ |
| 20. $(4)(-5) =$ | 50. $(35)(-32) =$ | 80. $69 \cdot 50 =$ | 110. $(-905)(-584) =$ |
| 21. $17 * 14 =$ | 51. $30 \cdot 36 =$ | 81. $111(-102) =$ | 111. $(654)(729) =$ |
| 22. $28 \cdot 10 =$ | 52. $(50)(-30) =$ | 82. $150(-126) =$ | 112. $306(-506) =$ |
| 23. $(-19)(-30) =$ | 53. $(40)(-40) =$ | 83. $(121)(-136) =$ | 113. $-561(254) =$ |
| 24. $-12(24) =$ | 54. $35 * 38 =$ | 84. $(149)(144) =$ | 114. $357 * 516 =$ |
| 25. $-28(-23) =$ | 55. $(-41)(-37) =$ | 85. $159(107) =$ | 115. $257(-999) =$ |
| 26. $(-21)(24) =$ | 56. $32(-43) =$ | 86. $(173)(-165) =$ | 116. $681 * 824 =$ |
| 27. $-17(-19) =$ | 57. $(-41)(34) =$ | 87. $(-139)(-123) =$ | 117. $847 * 580 =$ |
| 28. $-30(-14) =$ | 58. $37 \cdot 50 =$ | 88. $(163)(162) =$ | 118. $(850)(-508) =$ |
| 29. $-24(-10) =$ | 59. $30 * 33 =$ | 89. $-154(-120) =$ | 119. $226 \cdot 556 =$ |
| 30. $(-16)(27) =$ | 60. $(50)(48) =$ | 90. $100(-106) =$ | 120. $(498)(-921) =$ |

3. Divisiones

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|-------------------------|-------------------------|---------------------------|----------------------------|
| 1. $\frac{-40}{-5} =$ | 29. $-78/78 =$ | 57. $\frac{-192}{-32} =$ | 85. $836/-76 =$ |
| 2. $\frac{18}{-2} =$ | 30. $-64/32 =$ | 58. $-110/55 =$ | 86. $600 \div -200 =$ |
| 3. $\frac{25}{5} =$ | 31. $-58 \div -58 =$ | 59. $156 \div 39 =$ | 87. $784/-8 =$ |
| 4. $36/4 =$ | 32. $98 \div 98 =$ | 60. $108 \div -54 =$ | 88. $-369 \div 369 =$ |
| 5. $30 \div 10 =$ | 33. $\frac{-78}{-2} =$ | 61. $\frac{-128}{-16} =$ | 89. $-300/150 =$ |
| 6. $-24/-12 =$ | 34. $\frac{-94}{2} =$ | 62. $-102 \div 17 =$ | 90. $384 \div 128 =$ |
| 7. $\frac{-28}{-28} =$ | 35. $\frac{90}{-90} =$ | 63. $-158 \div -2 =$ | 91. $\frac{-667}{23} =$ |
| 8. $-18/2 =$ | 36. $-51/-3 =$ | 64. $188/-94 =$ | 92. $-374/11 =$ |
| 9. $-44/44 =$ | 37. $56/2 =$ | 65. $-144 \div 48 =$ | 93. $\frac{696}{8} =$ |
| 10. $-32/-8 =$ | 38. $98 \div -14 =$ | 66. $\frac{-152}{-4} =$ | 94. $-642/107 =$ |
| 11. $36/9 =$ | 39. $78/-6 =$ | 67. $\frac{154}{-154} =$ | 95. $-644/-23 =$ |
| 12. $8 \div 4 =$ | 40. $54/9 =$ | 68. $\frac{109}{-109} =$ | 96. $-324 \div 2 =$ |
| 13. $\frac{23}{-23} =$ | 41. $70/35 =$ | 69. $-105 \div 21 =$ | 97. $-802/-802 =$ |
| 14. $26/-13 =$ | 42. $\frac{-81}{9} =$ | 70. $132 \div 132 =$ | 98. $-714 \div 6 =$ |
| 15. $\frac{-48}{16} =$ | 43. $-64 \div 2 =$ | 71. $-186/-2 =$ | 99. $-630/14 =$ |
| 16. $48 \div 24 =$ | 44. $76/-2 =$ | 72. $\frac{121}{11} =$ | 100. $290/-58 =$ |
| 17. $-43 \div -43 =$ | 45. $-90/3 =$ | 73. $-156/-4 =$ | 101. $\frac{382}{-2} =$ |
| 18. $-30 \div -15 =$ | 46. $-64/-4 =$ | 74. $156/3 =$ | 102. $912 \div 6 =$ |
| 19. $-4/2 =$ | 47. $-69/23 =$ | 75. $\frac{180}{6} =$ | 103. $-714 \div 42 =$ |
| 20. $-30 \div 3 =$ | 48. $\frac{-88}{22} =$ | 76. $\frac{160}{160} =$ | 104. $-894/-6 =$ |
| 21. $-32/32 =$ | 49. $-50 \div 10 =$ | 77. $114/6 =$ | 105. $654/2 =$ |
| 22. $32 \div -32 =$ | 50. $\frac{-56}{-28} =$ | 78. $\frac{108}{6} =$ | 106. $\frac{-588}{-294} =$ |
| 23. $\frac{-50}{-25} =$ | 51. $\frac{60}{-10} =$ | 79. $\frac{132}{11} =$ | 107. $\frac{-267}{-89} =$ |
| 24. $\frac{-42}{-21} =$ | 52. $-60 \div -30 =$ | 80. $\frac{162}{2} =$ | 108. $798 \div -133 =$ |
| 25. $-20 \div 4 =$ | 53. $\frac{-76}{19} =$ | 81. $\frac{-178}{-89} =$ | 109. $544 \div -68 =$ |
| 26. $8 \div -4 =$ | 54. $\frac{98}{-98} =$ | 82. $\frac{189}{-7} =$ | 110. $\frac{-254}{-127} =$ |
| 27. $48 \div 48 =$ | 55. $-93 \div 93 =$ | 83. $-168/-14 =$ | 111. $\frac{-702}{-78} =$ |
| 28. $-38/19 =$ | 56. $\frac{60}{-5} =$ | 84. $\frac{-137}{-137} =$ | 112. $589 \div -19 =$ |

4. Potencia y raíz

Resuelve los siguientes ejercicios con las leyes de los exponentes:

1. $\frac{3^9}{3^{15}} =$
2. $(7^9)^5 =$
3. $\sqrt[6]{23^{12}} =$
4. $(3^{10})(3^6) =$
5. $\frac{7^6}{7^9} =$
6. $(11^{12})^2 =$
7. $\frac{13^{12}}{13^8} =$
8. $(17^{12})^{11} =$
9. $13^{13}(13^{12}) =$
10. $17^{11}(17^5) =$
11. $5^5(5^{10}) =$
12. $3^{15} \div 3^{15} =$
13. $\frac{11^4}{11^9} =$
14. $31^4 \div 31^{12} =$
15. $\frac{19^5}{19} =$
16. $(7^{13})^6 =$
17. $5^{11} \cdot 5^2 =$
18. $\frac{19^8}{19^5} =$
19. $\frac{23^{12}}{23^2} =$
20. $(17^{10})^6 =$
21. $29^5 \cdot 29^3 =$
22. $(11^{12})(11^8) =$
23. $\sqrt[14]{13^{14}} =$
24. $7^{11} \cdot 7^{15} =$
25. $23^4 \div 23^4 =$
26. $5^{15} \cdot 5^{10} =$
27. $31^{12} \cdot 31^{11} =$
28. $23^{10} \div 23^{12} =$
29. $\sqrt[4]{19^8} =$
30. $\sqrt[6]{5^6} =$
31. $(5^4)(5^{15}) =$
32. $(23^8)^{12} =$
33. $7^{12}/7^8 =$
34. $7^{15}/7^7 =$
35. $5^6 \div 5^8 =$
36. $\sqrt[14]{2^0} =$
37. $\sqrt{3^{10}} =$
38. $\sqrt[7]{5^0} =$
39. $\sqrt{11^6} =$
40. $(31^5)^7 =$
41. $\sqrt[7]{31^{14}} =$
42. $\sqrt{23^{14}} =$
43. $17^4/17^{11} =$
44. $\sqrt[9]{7^0} =$
45. $5^3/5^{12} =$
46. $(3^{13})^3 =$
47. $\sqrt[12]{23^{12}} =$
48. $2^6/2^9 =$
49. $\sqrt[9]{11^9} =$
50. $\sqrt[8]{23^8} =$
51. $(29^{15})(29^{13}) =$
52. $31^8 \cdot 31^7 =$
53. $29^4 \cdot 29^6 =$
54. $31^4 \div 31^{13} =$
55. $7^8 \div 7^3 =$
56. $(3^{12})^2 =$
57. $(2^3)^5 =$
58. $11^4 \cdot 11^3 =$
59. $\sqrt[15]{17^{15}} =$
60. $(3^5)^2 =$
61. $13^5(13^6) =$
62. $(11^0)^{14} =$
63. $\sqrt{29^{10}} =$
64. $\sqrt[3]{29^6} =$
65. $(17^0)^{13} =$
66. $\sqrt[3]{31^{12}} =$
67. $17^5 \cdot 17^{14} =$
68. $\sqrt[5]{5^{10}} =$
69. $5^2 \cdot 5^6 =$
70. $(23^9)^{10} =$
71. $(17^4)(17^{14}) =$
72. $\sqrt[5]{29^0} =$
73. $19^5/19^6 =$
74. $3^{10} \div 3^8 =$
75. $(13^{15})^{14} =$
76. $7^2 \cdot 7^3 =$
77. $(19^{13})^4 =$
78. $(17^{14})^{15} =$
79. $\sqrt[7]{17^0} =$
80. $23/23^{15} =$
81. $(13^{12})(13^5) =$
82. $\sqrt[11]{37^0} =$
83. $7^{15} \cdot 7^6 =$
84. $(13^{11})(13) =$
85. $\sqrt[4]{3^8} =$
86. $(31^3)^{12} =$
87. $13^6 \cdot 13^4 =$
88. $(11^{14})^3 =$
89. $29^2/29 =$
90. $(11^4)^{13} =$
91. $\sqrt{19^6} =$
92. $(7^3)^7 =$
93. $3^8 \cdot 3^9 =$
94. $(11^6)^4 =$
95. $17^6 \div 17^{15} =$
96. $23^9/23^5 =$
97. $(23^6)^5 =$
98. $\sqrt[5]{3^0} =$
99. $(11^6)^{15} =$
100. $(29^{13})^{10} =$