

# Ejercicios de aritmética

## 1. Sumas y restas

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

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.  $29^5 * 29^3 =$
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.  $31^8 * 31^7 =$
53.  $29^4 * 29^6 =$
54.  $31^4 \div 31^{13} =$
55.  $7^8 \div 7^3 =$
56.  $(3^{12})^2 =$
57.  $(2^3)^5 =$
58.  $11^4 * 11^3 =$
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.  $5^2 * 5^6 =$
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.  $7^2 * 7^3 =$
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.  $7^{15} * 7^6 =$
84.  $(13^{11})(13) =$
85.  $\sqrt[4]{3^8} =$
86.  $(31^3)^{12} =$
87.  $13^6 * 13^4 =$
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.  $(29^{13})^{10} =$