

## Operazioni con le frazioni

### Addizione

$$1. \quad \frac{11}{2} + \frac{1}{4} + \frac{6}{3} =$$

$$2. \quad \frac{21}{3} + \frac{12}{3} + \frac{8}{3} =$$

$$3. \quad \frac{10}{7} + \frac{1}{14} + \frac{3}{2} =$$

$$4. \quad \frac{13}{4} + \frac{11}{8} + \frac{7}{2} =$$

$$5. \quad \frac{12}{7} + \frac{13}{14} + \frac{3}{2} =$$

$$6. \quad \frac{34}{12} + \frac{1}{8} + 3 =$$

$$7. \quad 2 + \frac{7}{17} + \frac{5}{2} =$$

$$8. \quad \frac{16}{7} + \frac{2}{8} + \frac{14}{2} =$$

$$9. \quad \frac{5}{13} + \frac{3}{39} + \frac{7}{4} =$$

$$10. \quad \frac{2}{3} + 1 + \frac{7}{4} + \frac{1}{5} =$$

$$11. \quad \frac{14}{3} + 2 + \frac{8}{5} + \frac{3}{4} =$$

$$12. \quad \frac{3}{10} + \frac{5}{6} + \frac{7}{2} + 2 =$$

$$13. \quad \frac{23}{12} + \frac{11}{3} + \frac{4}{5} + \frac{1}{2} =$$

$$14. \quad \frac{29}{4} + \frac{13}{8} + \frac{5}{3} + 1 =$$

$$15. \quad \frac{31}{5} + \frac{12}{20} + \frac{13}{39} + \frac{28}{30} =$$

$$16. \quad \frac{60}{25} + \frac{12}{35} + \frac{11}{30} + \frac{7}{5} =$$

$$17. \quad \frac{63}{50} + \frac{17}{51} + \frac{3}{15} + 1 =$$

$$18. \quad \frac{7}{4} + \frac{3}{5} + \frac{1}{6} + \frac{3}{2} =$$

$$19. \quad \frac{15}{14} + \frac{12}{21} + \frac{22}{8} + \frac{7}{9} =$$

$$20. \quad \frac{1}{18} + \frac{7}{5} + \frac{5}{2} + \frac{14}{13} =$$

$$21. \quad \frac{17}{3} + \frac{13}{17} + \frac{3}{2} + 3 =$$

$$22. \quad \frac{7}{24} + \frac{3}{7} + \frac{13}{4} + 1 =$$

### Sottrazione

$$23. \quad \frac{15}{2} - \frac{1}{4} - \frac{12}{24} =$$

$$24. \quad \frac{3}{2} - \frac{1}{3} - \frac{30}{90} =$$

$$25. \quad \frac{7}{4} - \frac{15}{30} - \frac{30}{45} =$$

$$26. \quad \frac{17}{4} - \frac{4}{5} - \frac{2}{3} =$$

$$27. \quad 3 - \frac{7}{3} - \frac{3}{7} =$$

$$28. \quad \frac{27}{5} - \frac{5}{7} - \frac{32}{35} =$$

$$29. \quad 2 - \frac{15}{14} - \frac{6}{7} =$$

$$30. \quad \frac{35}{8} - \frac{14}{5} - \frac{1}{4} =$$

$$31. \quad \frac{22}{13} - \frac{1}{26} - \frac{11}{12} =$$

$$32. \quad \frac{15}{17} - \frac{1}{34} - \frac{15}{51} - \frac{1}{2} =$$

$$33. \quad 3 - \frac{6}{7} - \frac{1}{14} - \frac{3}{4} =$$

$$34. \quad 1 - \frac{9}{30} - \frac{1}{3} - \frac{1}{20} =$$

$$35. \quad \frac{29}{14} - \frac{15}{18} - \frac{7}{21} - \frac{3}{4} =$$

$$36. \quad \frac{19}{13} - \frac{4}{21} - \frac{1}{7} - \frac{38}{39} =$$

$$37. \quad 3 - \frac{17}{18} - \frac{9}{12} - \frac{3}{5} =$$

$$38. \quad \frac{17}{2} - 2 - \frac{8}{9} - \frac{13}{14} =$$

$$39. \quad \frac{13}{4} - \frac{8}{13} - \frac{7}{20} - \frac{5}{6} =$$

$$40. \quad 3 - \frac{14}{15} - \frac{13}{14} - \frac{3}{4} =$$

$$41. \quad \frac{22}{7} - \frac{4}{15} - \frac{14}{35} - \frac{16}{20} =$$

$$42. \quad \frac{59}{15} - \frac{5}{6} - \frac{12}{13} - \frac{4}{5} =$$

$$43. \quad \frac{45}{7} - \frac{5}{8} - \frac{4}{9} - \frac{7}{6} =$$

$$44. \quad \frac{19}{3} - \frac{12}{14} - \frac{13}{16} - \frac{3}{18} =$$

## Moltiplicazione

$$45. \frac{20}{12} \cdot \frac{1}{5} \cdot \frac{6}{24} =$$

$$46. \frac{3}{15} \cdot \frac{5}{27} \cdot \frac{12}{16} =$$

$$47. \frac{23}{5} \cdot \frac{25}{23} \cdot \frac{2}{3} =$$

$$48. \frac{10}{30} \cdot \frac{20}{40} \cdot \frac{25}{50} =$$

$$49. \frac{13}{5} \cdot \frac{15}{26} \cdot \frac{3}{2} =$$

$$50. \frac{12}{17} \cdot \frac{34}{3} \cdot \frac{12}{14} =$$

$$51. \frac{19}{25} \cdot \frac{15}{38} \cdot \frac{5}{3} =$$

$$52. \frac{18}{17} \cdot \frac{34}{36} \cdot \frac{7}{4} =$$

$$53. \frac{3}{13} \cdot \frac{17}{51} \cdot \frac{39}{9} =$$

$$54. \frac{37}{48} \cdot \frac{12}{13} \cdot \frac{4}{74} =$$

$$55. \frac{121}{15} \cdot \frac{3}{22} \cdot \frac{5}{11} \cdot \frac{1}{6} =$$

$$56. \frac{144}{11} \cdot \frac{33}{12} \cdot \frac{17}{30} \cdot \frac{1}{34} =$$

$$57. \frac{19}{27} \cdot \frac{75}{99} \cdot \frac{6}{133} \cdot \frac{33}{15} =$$

$$58. 9 \cdot \frac{155}{81} \cdot \frac{9}{5} \cdot \frac{35}{31} =$$

$$59. \frac{143}{21} \cdot 7 \cdot \frac{27}{11} \cdot \frac{19}{76} =$$

$$60. \frac{39}{42} \cdot \frac{27}{33} \cdot \frac{28}{42} \cdot \frac{66}{13} =$$

$$61. \frac{170}{45} \cdot 9 \cdot \frac{1}{33} \cdot \frac{11}{17} =$$

$$62. \frac{122}{58} \cdot \frac{3}{15} \cdot \frac{145}{183} \cdot \frac{15}{29} =$$

$$63. \frac{144}{36} \cdot \frac{0}{29} \cdot \frac{3}{12} \cdot \frac{15}{79} =$$

$$64. \frac{212}{45} \cdot \frac{134}{159} \cdot \frac{75}{335} \cdot \frac{18}{24} =$$

$$65. \frac{175}{145} \cdot \frac{42}{105} \cdot \frac{203}{7} \cdot \frac{13}{14} =$$

$$66. \frac{425}{346} \cdot \frac{222}{85} \cdot \frac{173}{17} \cdot \frac{3}{37} =$$

## Divisione

$$67. \frac{10}{30} : \frac{15}{45} : \frac{9}{6} =$$

$$68. \frac{40}{5} : \frac{8}{3} : \frac{20}{30} =$$

$$69. \frac{4}{5} : \frac{25}{75} : \frac{24}{48} =$$

$$70. \frac{18}{25} : \frac{9}{5} : \frac{5}{3} =$$

$$71. \frac{14}{15} : \frac{9}{10} : \frac{2}{3} =$$

$$72. \frac{27}{15} : \frac{12}{22} : \frac{1}{11} =$$

$$73. \frac{121}{45} : \frac{2}{11} : \frac{66}{81} =$$

$$74. \frac{29}{45} : \frac{203}{35} : \frac{5}{21} =$$

$$75. \frac{31}{41} : \frac{15}{123} : \frac{124}{5} =$$

$$76. 12 : \frac{72}{63} : \frac{17}{42} =$$

$$77. \frac{25}{23} : \frac{58}{9} : \frac{40}{69} : \frac{3}{29} =$$

$$78. \frac{41}{27} : \frac{123}{90} : \frac{8}{5} : \frac{45}{2} =$$

$$79. \frac{205}{71} : 5 : \frac{28}{213} : \frac{70}{30} =$$

$$80. \frac{4}{11} : \frac{88}{16} : \frac{64}{99} : \frac{72}{11} =$$

$$81. \frac{1}{29} : \frac{45}{23} : 9 : \frac{23}{58} =$$

$$82. 25 : \frac{155}{28} : \frac{42}{31} : \frac{15}{13} =$$

$$83. \frac{91}{51} : \frac{61}{14} : \frac{1}{305} : \frac{273}{3} =$$

$$84. \frac{245}{24} : 15 : \frac{49}{5} : \frac{35}{2} =$$

$$85. 36 : \frac{256}{200} : \frac{252}{49} : \frac{45}{36} =$$

$$86. \frac{312}{47} : \frac{78}{14} : \frac{1}{329} : \frac{196}{13} =$$

$$87. \frac{305}{12} : \frac{153}{17} : \frac{102}{136} : \frac{183}{9} =$$

$$88. \frac{129}{108} : \frac{47}{120} : 215 : \frac{5}{282} =$$

## Potenza

$$89. \left(\frac{14}{7}\right)^7 =$$

$$90. \left(\frac{12}{36}\right)^5 =$$

$$91. \left(\frac{26}{39}\right)^4 =$$

$$92. \left(\frac{2}{79}\right)^0 =$$

$$93. \left(\frac{47}{141}\right)^4 =$$

$$94. \left(\frac{118}{177}\right)^3 =$$

$$95. \left(\frac{155}{217}\right)^2 =$$

$$96. \left(\frac{171}{152}\right)^3 =$$

$$97. \left(\frac{290}{580}\right)^1 =$$

$$98. \left(\frac{142}{568}\right)^3 =$$

$$99. \left(\frac{321}{642}\right)^8 =$$

$$100. \left(\frac{45}{81}\right)^5 =$$

$$101. \left(\frac{205}{287}\right)^4 =$$

$$102. \left(\frac{144}{132}\right)^3 =$$

$$103. \left(\frac{29}{4524}\right)^0 =$$

$$104. \left(\frac{333}{296}\right)^2 =$$

$$105. \left(\frac{1100}{100}\right)^3 =$$

$$106. \left(\frac{175}{315}\right)^3 =$$

$$107. \left(\frac{405}{270}\right)^3 =$$

$$108. \left(\frac{752}{329}\right)^2 =$$

$$109. \left(\frac{172}{387}\right)^4 =$$

$$110. \left(\frac{545}{1090}\right)^9 =$$