

Berechnen Sie ohne Taschenrechner und kürzen Sie das Ergebnis, soweit möglich!

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|---|---|---|---|
| 1. $\frac{1}{2} \cdot \frac{2}{3} \cdot \frac{3}{4} =$ | 2. $\frac{3}{2} \cdot \frac{2}{5} \cdot \frac{5}{3} =$ | 3. $\frac{3}{2} \cdot \frac{2}{5} : \frac{5}{3} =$ | 4. $\frac{12}{5} \cdot \frac{35}{9} : 14 =$ |
| 5. $\frac{13}{24} \cdot \frac{12}{35} \cdot \frac{21}{52} =$ | 6. $\frac{17}{33} \cdot \frac{65}{34} \cdot \frac{44}{39} =$ | 7. $\frac{68}{99} \cdot \frac{132}{47} \cdot \frac{94}{119} =$ | |
| 8. $\frac{5}{12} + \frac{11}{12} + \frac{8}{12} =$ | 9. $\frac{15}{19} + \frac{11}{19} - \frac{8}{19} =$ | 10. $\frac{11}{15} + \frac{13}{30} - \frac{7}{30} =$ | |
| 11. $\frac{2}{3} + \frac{5}{6} + \frac{4}{9} =$ | 12. $\frac{17}{18} + \frac{11}{12} - \frac{14}{9} =$ | 13. $\frac{13}{15} - \frac{3}{10} - \frac{7}{25} =$ | |
| 14. $\frac{12}{7} - \frac{62}{77} + \frac{13}{11} =$ | 15. $-\frac{19}{56} + \frac{16}{21} - \frac{5}{24} =$ | 16. $\frac{14}{17} - \frac{2}{11} - \frac{52}{187} =$ | |
| 17. $\frac{28}{15} \cdot \frac{25}{56} - \frac{1}{6} =$ | 18. $\frac{19}{39} \cdot \frac{65}{76} - \frac{1}{6} =$ | 19. $\frac{39}{58} \cdot \frac{87}{91} + \frac{6}{7} =$ | |
| 20. $\frac{56}{15} : \frac{112}{25} + \frac{1}{2} =$ | 21. $\frac{5}{12} + \frac{5}{36} \cdot \frac{4}{60} =$ | 22. $\frac{14}{9} \cdot \frac{45}{49} + \frac{4}{7} =$ | |
| 23. $\frac{28}{13} \cdot \frac{26}{21} + \frac{1}{2} =$ | 24. $\frac{7}{25} + \frac{39}{20} : \frac{65}{4} =$ | 25. $\frac{68}{91} \cdot \frac{39}{51} - \frac{4}{21} =$ | |
| 26. $\frac{18}{10} \cdot \left(\frac{2}{3} + \frac{1}{2}\right) =$ | 27. $\left(\frac{4}{25} + \frac{3}{10}\right) \cdot \frac{75}{92} =$ | 28. $\frac{48}{85} \cdot \left(\frac{5}{6} - \frac{1}{8}\right) =$ | |
| 29. $\frac{52}{27} : \left(\frac{5}{6} - \frac{1}{9}\right) =$ | 30. $\left(\frac{3}{26} - \frac{7}{52}\right) : \frac{2}{13} =$ | 31. $\frac{1}{15} : \left(\frac{5}{36} - \frac{4}{45}\right) =$ | |
| 32. $\left(\frac{1}{6} + \frac{3}{8}\right) : \left(\frac{2}{9} - \frac{1}{2}\right) =$ | 33. $\left(\frac{1}{5} - \frac{3}{4}\right) \cdot \left(\frac{2}{7} - \frac{1}{2}\right) =$ | 34. $\left(\frac{1}{3} + \frac{1}{4}\right) : \left(\frac{1}{3} - \frac{1}{4}\right) =$ | |

Lösungen

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| 1. $\frac{1}{4}$ | 2. 1 | 3. $\frac{9}{25}$ | 4. $\frac{2}{3}$ |
| 5. $\frac{3}{40}$ | 6. $\frac{10}{9}$ | 7. $\frac{32}{21}$ | |
| 8. 2 | 9. $\frac{18}{19}$ | 10. $\frac{14}{15}$ | |
| 11. $\frac{35}{18}$ | 12. $\frac{11}{36}$ | 13. $\frac{43}{150}$ | |
| 14. $\frac{23}{11}$ | 15. $\frac{3}{14}$ | 16. $\frac{4}{11}$ | |
| 17. $\frac{2}{3}$ | 18. $\frac{1}{4}$ | 19. $\frac{3}{2}$ | |
| 20. $\frac{4}{3}$ | 21. $\frac{23}{54}$ | 22. 2 | |
| 23. $\frac{19}{6}$ | 24. $\frac{2}{5}$ | 25. $\frac{8}{21}$ | |
| 26. $\frac{3}{2}$ | 27. $\frac{3}{8}$ | 28. $\frac{2}{5}$ | |
| 29. $\frac{8}{3}$ | 30. $\frac{1}{8}$ | 31. $\frac{4}{3}$ | |
| 32. $\frac{39}{20}$ | 33. $\frac{33}{280}$ | 34. 7 | |