Addition und Subtraktion von Brüchen mit gleichem Nenner

1) $\frac{6}{9} + \frac{9}{9} = \frac{6}{9} + \frac{9}{9} = \frac{6+9}{9} = \frac{15}{9}$

2) $\frac{3}{9} + \frac{2}{9} = \frac{3}{9} + \frac{2}{9} = \frac{\quad}{9} = \frac{\quad}{9}$

3) $\frac{6}{5} + \frac{9}{5} = \frac{\quad}{5} + \frac{\quad}{5} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

4) $\frac{2}{8} + \frac{4}{8} =$

5) $\frac{6}{8} + \frac{3}{8} =$

6) $\frac{5}{3} + \frac{3}{3} =$

7) $\frac{4}{9} + \frac{5}{9} =$

8) $\frac{9}{3} - \frac{8}{3} = \frac{9}{3} - \frac{8}{3} = \frac{9-8}{3} = \frac{1}{3}$

9) $\frac{7}{8} - \frac{6}{8} =$

10) $\frac{3}{6} - \frac{9}{6} =$

11) $\frac{3}{6} - \frac{4}{6} =$

12) $\frac{2}{8} - \frac{3}{8} =$

13) $\frac{7}{6} - \frac{9}{6} =$

14) $\frac{4}{5} - \frac{5}{5} =$

15) $\frac{2}{4} - \frac{5}{4} =$

16) $\frac{6}{7} - \frac{7}{7} =$

17) $\frac{2}{6} + \frac{3}{6} =$

18) $\frac{5}{8} + \frac{6}{8} =$

Lösung:

1) $\frac{6}{9} + \frac{9}{9} = \frac{15}{9} = \frac{5}{3}$

2) $\frac{3}{9} + \frac{2}{9} = \frac{5}{9}$ ____

3) $\frac{6}{5} + \frac{9}{5} = \frac{15}{5} = \frac{3}{1}$

4) $\frac{2}{8} + \frac{4}{8} = \frac{6}{8} = \frac{3}{4}$

5) $\frac{6}{8} + \frac{3}{8} = \frac{9}{8}$ ____

6) $\frac{5}{3} + \frac{3}{3} = \frac{8}{3}$ ____

7) $\frac{4}{9} + \frac{5}{9} = \frac{9}{9} = \frac{1}{1}$

8) $\frac{9}{3} - \frac{8}{3} = \frac{1}{3}$ ____

9) $\frac{7}{8} - \frac{6}{8} = \frac{1}{8}$ ____

10) $\frac{3}{6} - \frac{9}{6} = \frac{-6}{6} = \frac{-1}{1}$

11) $\frac{3}{6} - \frac{4}{6} = \frac{-1}{6}$ ____

12) $\frac{2}{8} - \frac{3}{8} = \frac{-1}{8}$ ____

13) $\frac{7}{6} - \frac{9}{6} = \frac{-2}{6} = \frac{-1}{3}$

14) $\frac{4}{5} - \frac{5}{5} = \frac{-1}{5}$ ____

15) $\frac{2}{4} - \frac{5}{4} = \frac{-3}{4}$ ____

16) $\frac{6}{7} - \frac{7}{7} = \frac{-1}{7}$ ____

17) $\frac{2}{6} + \frac{3}{6} = \frac{5}{6}$ ____

18) $\frac{5}{8} + \frac{6}{8} = \frac{11}{8}$ ____

Brüche mit gleichem Nenner werden addiert/subtrahiert,
indem man die Zähler addiert/subtrahiert und den Nenner beibehält.