Addiere die Brüche und wandle in einen gemischten Bruch um, falls möglich:

1 a) $\dfrac{1}{5} + \dfrac{5}{7} =$

b) $\dfrac{16}{27} + \dfrac{1}{18} =$

c) $\dfrac{10}{39} + \dfrac{10}{13} =$

d) $\dfrac{9}{10} + \dfrac{11}{30} =$

2 a) $\dfrac{8}{19} + \dfrac{17}{38} =$

b) $\dfrac{1}{6} + \dfrac{4}{7} =$

c) $\dfrac{29}{42} + \dfrac{13}{14} =$

d) $\dfrac{3}{4} + \dfrac{7}{8} =$

3 a) $\dfrac{4}{11} + \dfrac{4}{33} =$

b) $\dfrac{9}{14} + \dfrac{1}{2} =$

c) $\dfrac{1}{42} + \dfrac{19}{21} =$

d) $\dfrac{4}{15} + \dfrac{5}{12} =$

4 a) $\dfrac{11}{27} + \dfrac{7}{9} =$

b) $\dfrac{17}{33} + \dfrac{2}{3} =$

c) $\dfrac{16}{45} + \dfrac{3}{5} =$

d) $\dfrac{10}{11} + \dfrac{1}{44} =$

5 a) $\dfrac{8}{21} + \dfrac{19}{42} =$

b) $\dfrac{13}{15} + \dfrac{9}{10} =$

c) $\dfrac{5}{9} + \dfrac{4}{45} =$

d) $\dfrac{25}{34} + \dfrac{15}{17} =$

Addiere die Brüche und wandle in einen gemischten Bruch um, falls möglich:

1 a) $\dfrac{1}{5} + \dfrac{5}{7} = \dfrac{7}{35} + \dfrac{25}{35} = \dfrac{32}{35}$

b) $\dfrac{16}{27} + \dfrac{1}{18} = \dfrac{32}{54} + \dfrac{3}{54} = \dfrac{35}{54}$

c) $\dfrac{10}{39} + \dfrac{10}{13} = \dfrac{10}{39} + \dfrac{30}{39} = \dfrac{40}{39} = 1\dfrac{1}{39}$

d) $\dfrac{9}{10} + \dfrac{11}{30} = \dfrac{27}{30} + \dfrac{11}{30} = \dfrac{38}{30} = 1\dfrac{4}{15}$

2 a) $\dfrac{8}{19} + \dfrac{17}{38} = \dfrac{16}{38} + \dfrac{17}{38} = \dfrac{33}{38}$

b) $\dfrac{1}{6} + \dfrac{4}{7} = \dfrac{7}{42} + \dfrac{24}{42} = \dfrac{31}{42}$

c) $\dfrac{29}{42} + \dfrac{13}{14} = \dfrac{29}{42} + \dfrac{39}{42} = \dfrac{68}{42} = 1\dfrac{13}{21}$

d) $\dfrac{3}{4} + \dfrac{7}{8} = \dfrac{6}{8} + \dfrac{7}{8} = \dfrac{13}{8} = 1\dfrac{5}{8}$

3 a) $\dfrac{4}{11} + \dfrac{4}{33} = \dfrac{12}{33} + \dfrac{4}{33} = \dfrac{16}{33}$

b) $\dfrac{9}{14} + \dfrac{1}{2} = \dfrac{9}{14} + \dfrac{7}{14} = \dfrac{16}{14} = 1\dfrac{1}{7}$

c) $\dfrac{1}{42} + \dfrac{19}{21} = \dfrac{1}{42} + \dfrac{38}{42} = \dfrac{39}{42} = \dfrac{13}{14}$

d) $\dfrac{4}{15} + \dfrac{5}{12} = \dfrac{16}{60} + \dfrac{25}{60} = \dfrac{41}{60}$

4 a) $\dfrac{11}{27} + \dfrac{7}{9} = \dfrac{11}{27} + \dfrac{21}{27} = \dfrac{32}{27} = 1\dfrac{5}{27}$

b) $\dfrac{17}{33} + \dfrac{2}{3} = \dfrac{17}{33} + \dfrac{22}{33} = \dfrac{39}{33} = 1\dfrac{2}{11}$

c) $\dfrac{16}{45} + \dfrac{3}{5} = \dfrac{16}{45} + \dfrac{27}{45} = \dfrac{43}{45}$

d) $\dfrac{10}{11} + \dfrac{1}{44} = \dfrac{40}{44} + \dfrac{1}{44} = \dfrac{41}{44}$

5 a) $\dfrac{8}{21} + \dfrac{19}{42} = \dfrac{16}{42} + \dfrac{19}{42} = \dfrac{35}{42} = \dfrac{5}{6}$

b) $\dfrac{13}{15} + \dfrac{9}{10} = \dfrac{26}{30} + \dfrac{27}{30} = \dfrac{53}{30} = 1\dfrac{23}{30}$

c) $\dfrac{5}{9} + \dfrac{4}{45} = \dfrac{25}{45} + \dfrac{4}{45} = \dfrac{29}{45}$

d) $\dfrac{25}{34} + \dfrac{15}{17} = \dfrac{25}{34} + \dfrac{30}{34} = \dfrac{55}{34} = 1\dfrac{21}{34}$