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

1 a) $\dfrac{1}{11} + \dfrac{1}{22} =$

b) $\dfrac{22}{45} + \dfrac{11}{15} =$

c) $\dfrac{13}{14} + \dfrac{5}{7} =$

d) $\dfrac{1}{12} + \dfrac{7}{16} =$

2 a) $\dfrac{4}{13} + \dfrac{23}{39} =$

b) $\dfrac{29}{42} + \dfrac{6}{7} =$

c) $\dfrac{16}{45} + \dfrac{1}{9} =$

d) $\dfrac{7}{32} + \dfrac{5}{8} =$

3 a) $\dfrac{4}{39} + \dfrac{10}{13} =$

b) $\dfrac{10}{11} + \dfrac{19}{33} =$

c) $\dfrac{3}{10} + \dfrac{17}{30} =$

d) $\dfrac{5}{21} + \dfrac{2}{7} =$

4 a) $\dfrac{22}{39} + \dfrac{7}{13} =$

b) $\dfrac{4}{5} + \dfrac{3}{11} =$

c) $\dfrac{11}{19} + \dfrac{15}{38} =$

d) $\dfrac{5}{9} + \dfrac{13}{45} =$

5 a) $\dfrac{2}{5} + \dfrac{24}{25} =$

b) $\dfrac{19}{45} + \dfrac{8}{9} =$

c) $\dfrac{1}{2} + \dfrac{15}{44} =$

d) $\dfrac{27}{44} + \dfrac{19}{22} =$

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

1 a) $\dfrac{1}{11} + \dfrac{1}{22} = \dfrac{2}{22} + \dfrac{1}{22} = \dfrac{3}{22}$

b) $\dfrac{22}{45} + \dfrac{11}{15} = \dfrac{22}{45} + \dfrac{33}{45} = \dfrac{55}{45} = 1\dfrac{2}{9}$

c) $\dfrac{13}{14} + \dfrac{5}{7} = \dfrac{13}{14} + \dfrac{10}{14} = \dfrac{23}{14} = 1\dfrac{9}{14}$

d) $\dfrac{1}{12} + \dfrac{7}{16} = \dfrac{4}{48} + \dfrac{21}{48} = \dfrac{25}{48}$

2 a) $\dfrac{4}{13} + \dfrac{23}{39} = \dfrac{12}{39} + \dfrac{23}{39} = \dfrac{35}{39}$

b) $\dfrac{29}{42} + \dfrac{6}{7} = \dfrac{29}{42} + \dfrac{36}{42} = \dfrac{65}{42} = 1\dfrac{23}{42}$

c) $\dfrac{16}{45} + \dfrac{1}{9} = \dfrac{16}{45} + \dfrac{5}{45} = \dfrac{21}{45} = \dfrac{7}{15}$

d) $\dfrac{7}{32} + \dfrac{5}{8} = \dfrac{7}{32} + \dfrac{20}{32} = \dfrac{27}{32}$

3 a) $\dfrac{4}{39} + \dfrac{10}{13} = \dfrac{4}{39} + \dfrac{30}{39} = \dfrac{34}{39}$

b) $\dfrac{10}{11} + \dfrac{19}{33} = \dfrac{30}{33} + \dfrac{19}{33} = \dfrac{49}{33} = 1\dfrac{16}{33}$

c) $\dfrac{3}{10} + \dfrac{17}{30} = \dfrac{9}{30} + \dfrac{17}{30} = \dfrac{26}{30} = \dfrac{13}{15}$

d) $\dfrac{5}{21} + \dfrac{2}{7} = \dfrac{5}{21} + \dfrac{6}{21} = \dfrac{11}{21}$

4 a) $\dfrac{22}{39} + \dfrac{7}{13} = \dfrac{22}{39} + \dfrac{21}{39} = \dfrac{43}{39} = 1\dfrac{4}{39}$

b) $\dfrac{4}{5} + \dfrac{3}{11} = \dfrac{44}{55} + \dfrac{15}{55} = \dfrac{59}{55} = 1\dfrac{4}{55}$

c) $\dfrac{11}{19} + \dfrac{15}{38} = \dfrac{22}{38} + \dfrac{15}{38} = \dfrac{37}{38}$

d) $\dfrac{5}{9} + \dfrac{13}{45} = \dfrac{25}{45} + \dfrac{13}{45} = \dfrac{38}{45}$

5 a) $\dfrac{2}{5} + \dfrac{24}{25} = \dfrac{10}{25} + \dfrac{24}{25} = \dfrac{34}{25} = 1\dfrac{9}{25}$

b) $\dfrac{19}{45} + \dfrac{8}{9} = \dfrac{19}{45} + \dfrac{40}{45} = \dfrac{59}{45} = 1\dfrac{14}{45}$

c) $\dfrac{1}{2} + \dfrac{15}{44} = \dfrac{22}{44} + \dfrac{15}{44} = \dfrac{37}{44}$

d) $\dfrac{27}{44} + \dfrac{19}{22} = \dfrac{27}{44} + \dfrac{38}{44} = \dfrac{65}{44} = 1\dfrac{21}{44}$