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

① a) $\dfrac{8}{23} + \dfrac{1}{2} =$

b) $\dfrac{19}{22} + \dfrac{23}{44} =$

c) $\dfrac{27}{44} + \dfrac{3}{4} =$

d) $\dfrac{1}{3} + \dfrac{10}{19} =$

② a) $\dfrac{16}{17} + \dfrac{2}{3} =$

b) $\dfrac{5}{12} + \dfrac{5}{8} =$

c) $\dfrac{7}{22} + \dfrac{6}{11} =$

d) $\dfrac{23}{30} + \dfrac{2}{5} =$

③ a) $\dfrac{13}{16} + \dfrac{11}{32} =$

b) $\dfrac{3}{17} + \dfrac{7}{34} =$

c) $\dfrac{17}{22} + \dfrac{4}{11} =$

d) $\dfrac{15}{29} + \dfrac{1}{2} =$

④ a) $\dfrac{11}{34} + \dfrac{2}{17} =$

b) $\dfrac{3}{4} + \dfrac{5}{36} =$

c) $\dfrac{2}{7} + \dfrac{20}{21} =$

d) $\dfrac{11}{38} + \dfrac{12}{19} =$

⑤ a) $\dfrac{27}{40} + \dfrac{7}{8} =$

b) $\dfrac{23}{34} + \dfrac{13}{17} =$

c) $\dfrac{15}{22} + \dfrac{9}{44} =$

d) $\dfrac{7}{20} + \dfrac{7}{10} =$

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

1 a) $\dfrac{8}{23} + \dfrac{1}{2} = \dfrac{16}{46} + \dfrac{23}{46} = \dfrac{39}{46}$

b) $\dfrac{19}{22} + \dfrac{23}{44} = \dfrac{38}{44} + \dfrac{23}{44} = \dfrac{61}{44} = 1\dfrac{17}{44}$

c) $\dfrac{27}{44} + \dfrac{3}{4} = \dfrac{27}{44} + \dfrac{33}{44} = \dfrac{60}{44} = 1\dfrac{4}{11}$

d) $\dfrac{1}{3} + \dfrac{10}{19} = \dfrac{19}{57} + \dfrac{30}{57} = \dfrac{49}{57}$

2 a) $\dfrac{16}{17} + \dfrac{2}{3} = \dfrac{48}{51} + \dfrac{34}{51} = \dfrac{82}{51} = 1\dfrac{31}{51}$

b) $\dfrac{5}{12} + \dfrac{5}{8} = \dfrac{10}{24} + \dfrac{15}{24} = \dfrac{25}{24} = 1\dfrac{1}{24}$

c) $\dfrac{7}{22} + \dfrac{6}{11} = \dfrac{7}{22} + \dfrac{12}{22} = \dfrac{19}{22}$

d) $\dfrac{23}{30} + \dfrac{2}{5} = \dfrac{23}{30} + \dfrac{12}{30} = \dfrac{35}{30} = 1\dfrac{1}{6}$

3 a) $\dfrac{13}{16} + \dfrac{11}{32} = \dfrac{26}{32} + \dfrac{11}{32} = \dfrac{37}{32} = 1\dfrac{5}{32}$

b) $\dfrac{3}{17} + \dfrac{7}{34} = \dfrac{6}{34} + \dfrac{7}{34} = \dfrac{13}{34}$

c) $\dfrac{17}{22} + \dfrac{4}{11} = \dfrac{17}{22} + \dfrac{8}{22} = \dfrac{25}{22} = 1\dfrac{3}{22}$

d) $\dfrac{15}{29} + \dfrac{1}{2} = \dfrac{30}{58} + \dfrac{29}{58} = \dfrac{59}{58} = 1\dfrac{1}{58}$

4 a) $\dfrac{11}{34} + \dfrac{2}{17} = \dfrac{11}{34} + \dfrac{4}{34} = \dfrac{15}{34}$

b) $\dfrac{3}{4} + \dfrac{5}{36} = \dfrac{27}{36} + \dfrac{5}{36} = \dfrac{32}{36} = \dfrac{8}{9}$

c) $\dfrac{2}{7} + \dfrac{20}{21} = \dfrac{6}{21} + \dfrac{20}{21} = \dfrac{26}{21} = 1\dfrac{5}{21}$

d) $\dfrac{11}{38} + \dfrac{12}{19} = \dfrac{11}{38} + \dfrac{24}{38} = \dfrac{35}{38}$

5 a) $\dfrac{27}{40} + \dfrac{7}{8} = \dfrac{27}{40} + \dfrac{35}{40} = \dfrac{62}{40} = 1\dfrac{11}{20}$

b) $\dfrac{23}{34} + \dfrac{13}{17} = \dfrac{23}{34} + \dfrac{26}{34} = \dfrac{49}{34} = 1\dfrac{15}{34}$

c) $\dfrac{15}{22} + \dfrac{9}{44} = \dfrac{30}{44} + \dfrac{9}{44} = \dfrac{39}{44}$

d) $\dfrac{7}{20} + \dfrac{7}{10} = \dfrac{7}{20} + \dfrac{14}{20} = \dfrac{21}{20} = 1\dfrac{1}{20}$