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

1 a) $\dfrac{5}{36} + \dfrac{7}{18} =$

b) $\dfrac{4}{45} + \dfrac{2}{3} =$

c) $\dfrac{1}{12} + \dfrac{19}{24} =$

d) $\dfrac{18}{19} + \dfrac{17}{38} =$

2 a) $\dfrac{7}{11} + \dfrac{4}{33} =$

b) $\dfrac{10}{17} + \dfrac{9}{34} =$

c) $\dfrac{14}{45} + \dfrac{5}{9} =$

d) $\dfrac{19}{20} + \dfrac{1}{10} =$

3 a) $\dfrac{2}{15} + \dfrac{3}{20} =$

b) $\dfrac{1}{2} + \dfrac{19}{32} =$

c) $\dfrac{5}{12} + \dfrac{7}{8} =$

d) $\dfrac{7}{27} + \dfrac{1}{9} =$

4 a) $\dfrac{2}{3} + \dfrac{13}{33} =$

b) $\dfrac{11}{24} + \dfrac{5}{8} =$

c) $\dfrac{17}{36} + \dfrac{7}{18} =$

d) $\dfrac{2}{9} + \dfrac{8}{27} =$

5 a) $\dfrac{3}{5} + \dfrac{23}{45} =$

b) $\dfrac{11}{36} + \dfrac{5}{18} =$

c) $\dfrac{19}{45} + \dfrac{1}{3} =$

d) $\dfrac{17}{20} + \dfrac{19}{40} =$

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

① a) $\dfrac{5}{36} + \dfrac{7}{18} = \dfrac{5}{36} + \dfrac{14}{36} = \dfrac{19}{36}$

b) $\dfrac{4}{45} + \dfrac{2}{3} = \dfrac{4}{45} + \dfrac{30}{45} = \dfrac{34}{45}$

c) $\dfrac{1}{12} + \dfrac{19}{24} = \dfrac{2}{24} + \dfrac{19}{24} = \dfrac{21}{24} = \dfrac{7}{8}$

d) $\dfrac{18}{19} + \dfrac{17}{38} = \dfrac{36}{38} + \dfrac{17}{38} = \dfrac{53}{38} = 1\dfrac{15}{38}$

② a) $\dfrac{7}{11} + \dfrac{4}{33} = \dfrac{21}{33} + \dfrac{4}{33} = \dfrac{25}{33}$

b) $\dfrac{10}{17} + \dfrac{9}{34} = \dfrac{20}{34} + \dfrac{9}{34} = \dfrac{29}{34}$

c) $\dfrac{14}{45} + \dfrac{5}{9} = \dfrac{14}{45} + \dfrac{25}{45} = \dfrac{39}{45} = \dfrac{13}{15}$

d) $\dfrac{19}{20} + \dfrac{1}{10} = \dfrac{19}{20} + \dfrac{2}{20} = \dfrac{21}{20} = 1\dfrac{1}{20}$

③ a) $\dfrac{2}{15} + \dfrac{3}{20} = \dfrac{8}{60} + \dfrac{9}{60} = \dfrac{17}{60}$

b) $\dfrac{1}{2} + \dfrac{19}{32} = \dfrac{16}{32} + \dfrac{19}{32} = \dfrac{35}{32} = 1\dfrac{3}{32}$

c) $\dfrac{5}{12} + \dfrac{7}{8} = \dfrac{10}{24} + \dfrac{21}{24} = \dfrac{31}{24} = 1\dfrac{7}{24}$

d) $\dfrac{7}{27} + \dfrac{1}{9} = \dfrac{7}{27} + \dfrac{3}{27} = \dfrac{10}{27}$

④ a) $\dfrac{2}{3} + \dfrac{13}{33} = \dfrac{22}{33} + \dfrac{13}{33} = \dfrac{35}{33} = 1\dfrac{2}{33}$

b) $\dfrac{11}{24} + \dfrac{5}{8} = \dfrac{11}{24} + \dfrac{15}{24} = \dfrac{26}{24} = 1\dfrac{1}{12}$

c) $\dfrac{17}{36} + \dfrac{7}{18} = \dfrac{17}{36} + \dfrac{14}{36} = \dfrac{31}{36}$

d) $\dfrac{2}{9} + \dfrac{8}{27} = \dfrac{6}{27} + \dfrac{8}{27} = \dfrac{14}{27}$

⑤ a) $\dfrac{3}{5} + \dfrac{23}{45} = \dfrac{27}{45} + \dfrac{23}{45} = \dfrac{50}{45} = 1\dfrac{1}{9}$

b) $\dfrac{11}{36} + \dfrac{5}{18} = \dfrac{11}{36} + \dfrac{10}{36} = \dfrac{21}{36} = \dfrac{7}{12}$

c) $\dfrac{19}{45} + \dfrac{1}{3} = \dfrac{19}{45} + \dfrac{15}{45} = \dfrac{34}{45}$

d) $\dfrac{17}{20} + \dfrac{19}{40} = \dfrac{34}{40} + \dfrac{19}{40} = \dfrac{53}{40} = 1\dfrac{13}{40}$