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

(1) a) $\dfrac{2}{3} + \dfrac{7}{27} =$

b) $\dfrac{3}{25} + \dfrac{2}{5} =$

c) $\dfrac{17}{21} + \dfrac{5}{42} =$

d) $\dfrac{4}{45} + \dfrac{4}{9} =$

(2) a) $\dfrac{3}{28} + \dfrac{3}{14} =$

b) $\dfrac{29}{44} + \dfrac{9}{22} =$

c) $\dfrac{11}{12} + \dfrac{19}{36} =$

d) $\dfrac{17}{38} + \dfrac{5}{19} =$

(3) a) $\dfrac{1}{10} + \dfrac{21}{25} =$

b) $\dfrac{8}{9} + \dfrac{7}{18} =$

c) $\dfrac{13}{15} + \dfrac{19}{30} =$

d) $\dfrac{4}{17} + \dfrac{13}{34} =$

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

b) $\dfrac{9}{19} + \dfrac{27}{38} =$

c) $\dfrac{17}{40} + \dfrac{4}{5} =$

d) $\dfrac{5}{21} + \dfrac{1}{7} =$

(5) a) $\dfrac{3}{7} + \dfrac{19}{28} =$

b) $\dfrac{11}{20} + \dfrac{7}{12} =$

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

d) $\dfrac{5}{12} + \dfrac{1}{16} =$

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

① a) $\dfrac{2}{3} + \dfrac{7}{27} = \dfrac{18}{27} + \dfrac{7}{27} = \dfrac{25}{27}$

b) $\dfrac{3}{25} + \dfrac{2}{5} = \dfrac{3}{25} + \dfrac{10}{25} = \dfrac{13}{25}$

c) $\dfrac{17}{21} + \dfrac{5}{42} = \dfrac{34}{42} + \dfrac{5}{42} = \dfrac{39}{42} = \dfrac{13}{14}$

d) $\dfrac{4}{45} + \dfrac{4}{9} = \dfrac{4}{45} + \dfrac{20}{45} = \dfrac{24}{45} = \dfrac{8}{15}$

② a) $\dfrac{3}{28} + \dfrac{3}{14} = \dfrac{3}{28} + \dfrac{6}{28} = \dfrac{9}{28}$

b) $\dfrac{29}{44} + \dfrac{9}{22} = \dfrac{29}{44} + \dfrac{18}{44} = \dfrac{47}{44} = 1\dfrac{3}{44}$

c) $\dfrac{11}{12} + \dfrac{19}{36} = \dfrac{33}{36} + \dfrac{19}{36} = \dfrac{52}{36} = 1\dfrac{4}{9}$

d) $\dfrac{17}{38} + \dfrac{5}{19} = \dfrac{17}{38} + \dfrac{10}{38} = \dfrac{27}{38}$

③ a) $\dfrac{1}{10} + \dfrac{21}{25} = \dfrac{5}{50} + \dfrac{42}{50} = \dfrac{47}{50}$

b) $\dfrac{8}{9} + \dfrac{7}{18} = \dfrac{16}{18} + \dfrac{7}{18} = \dfrac{23}{18} = 1\dfrac{5}{18}$

c) $\dfrac{13}{15} + \dfrac{19}{30} = \dfrac{26}{30} + \dfrac{19}{30} = \dfrac{45}{30} = 1\dfrac{1}{2}$

d) $\dfrac{4}{17} + \dfrac{13}{34} = \dfrac{8}{34} + \dfrac{13}{34} = \dfrac{21}{34}$

④ a) $\dfrac{1}{3} + \dfrac{2}{11} = \dfrac{11}{33} + \dfrac{6}{33} = \dfrac{17}{33}$

b) $\dfrac{9}{19} + \dfrac{27}{38} = \dfrac{18}{38} + \dfrac{27}{38} = \dfrac{45}{38} = 1\dfrac{7}{38}$

c) $\dfrac{17}{40} + \dfrac{4}{5} = \dfrac{17}{40} + \dfrac{32}{40} = \dfrac{49}{40} = 1\dfrac{9}{40}$

d) $\dfrac{5}{21} + \dfrac{1}{7} = \dfrac{5}{21} + \dfrac{3}{21} = \dfrac{8}{21}$

⑤ a) $\dfrac{3}{7} + \dfrac{19}{28} = \dfrac{12}{28} + \dfrac{19}{28} = \dfrac{31}{28} = 1\dfrac{3}{28}$

b) $\dfrac{11}{20} + \dfrac{7}{12} = \dfrac{33}{60} + \dfrac{35}{60} = \dfrac{68}{60} = 1\dfrac{2}{15}$

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

d) $\dfrac{5}{12} + \dfrac{1}{16} = \dfrac{20}{48} + \dfrac{3}{48} = \dfrac{23}{48}$