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

(1) a) $\dfrac{8}{9} + \dfrac{14}{45} =$

b) $\dfrac{11}{12} + \dfrac{29}{30} =$

c) $\dfrac{1}{5} + \dfrac{7}{12} =$

d) $\dfrac{17}{22} + \dfrac{5}{44} =$

(2) a) $\dfrac{29}{32} + \dfrac{15}{16} =$

b) $\dfrac{3}{8} + \dfrac{25}{28} =$

c) $\dfrac{17}{36} + \dfrac{1}{3} =$

d) $\dfrac{12}{13} + \dfrac{9}{26} =$

(3) a) $\dfrac{5}{14} + \dfrac{11}{42} =$

b) $\dfrac{21}{44} + \dfrac{4}{11} =$

c) $\dfrac{15}{17} + \dfrac{2}{3} =$

d) $\dfrac{1}{2} + \dfrac{12}{23} =$

(4) a) $\dfrac{11}{30} + \dfrac{1}{4} =$

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

c) $\dfrac{3}{4} + \dfrac{4}{15} =$

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

(5) a) $\dfrac{15}{16} + \dfrac{7}{12} =$

b) $\dfrac{19}{27} + \dfrac{5}{9} =$

c) $\dfrac{1}{12} + \dfrac{11}{16} =$

d) $\dfrac{4}{19} + \dfrac{9}{38} =$

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

①

a) $\dfrac{8}{9} + \dfrac{14}{45} = \dfrac{40}{45} + \dfrac{14}{45} = \dfrac{54}{45} = 1\dfrac{1}{5}$

b) $\dfrac{11}{12} + \dfrac{29}{30} = \dfrac{55}{60} + \dfrac{58}{60} = \dfrac{113}{60} = 1\dfrac{53}{60}$

c) $\dfrac{1}{5} + \dfrac{7}{12} = \dfrac{12}{60} + \dfrac{35}{60} = \dfrac{47}{60}$

d) $\dfrac{17}{22} + \dfrac{5}{44} = \dfrac{34}{44} + \dfrac{5}{44} = \dfrac{39}{44}$

②

a) $\dfrac{29}{32} + \dfrac{15}{16} = \dfrac{29}{32} + \dfrac{30}{32} = \dfrac{59}{32} = 1\dfrac{27}{32}$

b) $\dfrac{3}{8} + \dfrac{25}{28} = \dfrac{21}{56} + \dfrac{50}{56} = \dfrac{71}{56} = 1\dfrac{15}{56}$

c) $\dfrac{17}{36} + \dfrac{1}{3} = \dfrac{17}{36} + \dfrac{12}{36} = \dfrac{29}{36}$

d) $\dfrac{12}{13} + \dfrac{9}{26} = \dfrac{24}{26} + \dfrac{9}{26} = \dfrac{33}{26} = 1\dfrac{7}{26}$

③

a) $\dfrac{5}{14} + \dfrac{11}{42} = \dfrac{15}{42} + \dfrac{11}{42} = \dfrac{26}{42} = \dfrac{13}{21}$

b) $\dfrac{21}{44} + \dfrac{4}{11} = \dfrac{21}{44} + \dfrac{16}{44} = \dfrac{37}{44}$

c) $\dfrac{15}{17} + \dfrac{2}{3} = \dfrac{45}{51} + \dfrac{34}{51} = \dfrac{79}{51} = 1\dfrac{28}{51}$

d) $\dfrac{1}{2} + \dfrac{12}{23} = \dfrac{23}{46} + \dfrac{24}{46} = \dfrac{47}{46} = 1\dfrac{1}{46}$

④

a) $\dfrac{11}{30} + \dfrac{1}{4} = \dfrac{22}{60} + \dfrac{15}{60} = \dfrac{37}{60}$

b) $\dfrac{9}{10} + \dfrac{17}{20} = \dfrac{18}{20} + \dfrac{17}{20} = \dfrac{35}{20} = 1\dfrac{3}{4}$

c) $\dfrac{3}{4} + \dfrac{4}{15} = \dfrac{45}{60} + \dfrac{16}{60} = \dfrac{61}{60} = 1\dfrac{1}{60}$

d) $\dfrac{5}{19} + \dfrac{27}{38} = \dfrac{10}{38} + \dfrac{27}{38} = \dfrac{37}{38}$

⑤

a) $\dfrac{15}{16} + \dfrac{7}{12} = \dfrac{45}{48} + \dfrac{28}{48} = \dfrac{73}{48} = 1\dfrac{25}{48}$

b) $\dfrac{19}{27} + \dfrac{5}{9} = \dfrac{19}{27} + \dfrac{15}{27} = \dfrac{34}{27} = 1\dfrac{7}{27}$

c) $\dfrac{1}{12} + \dfrac{11}{16} = \dfrac{4}{48} + \dfrac{33}{48} = \dfrac{37}{48}$

d) $\dfrac{4}{19} + \dfrac{9}{38} = \dfrac{8}{38} + \dfrac{9}{38} = \dfrac{17}{38}$