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

1 a) $\dfrac{12}{13} + \dfrac{19}{39} =$

b) $\dfrac{7}{20} + \dfrac{5}{12} =$

c) $\dfrac{4}{7} + \dfrac{11}{28} =$

d) $\dfrac{5}{28} + \dfrac{6}{7} =$

2 a) $\dfrac{3}{5} + \dfrac{9}{20} =$

b) $\dfrac{4}{9} + \dfrac{1}{36} =$

c) $\dfrac{16}{21} + \dfrac{3}{7} =$

d) $\dfrac{8}{15} + \dfrac{8}{9} =$

3 a) $\dfrac{7}{13} + \dfrac{17}{39} =$

b) $\dfrac{3}{44} + \dfrac{9}{11} =$

c) $\dfrac{9}{16} + \dfrac{29}{32} =$

d) $\dfrac{15}{22} + \dfrac{23}{44} =$

4 a) $\dfrac{4}{15} + \dfrac{1}{9} =$

b) $\dfrac{17}{21} + \dfrac{25}{42} =$

c) $\dfrac{13}{36} + \dfrac{2}{3} =$

d) $\dfrac{7}{17} + \dfrac{15}{34} =$

5 a) $\dfrac{19}{30} + \dfrac{1}{6} =$

b) $\dfrac{16}{19} + \dfrac{23}{38} =$

c) $\dfrac{28}{45} + \dfrac{2}{15} =$

d) $\dfrac{1}{3} + \dfrac{15}{17} =$

... Lösungen ...

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

1 a) $\dfrac{12}{13} + \dfrac{19}{39} = \dfrac{36}{39} + \dfrac{19}{39} = \dfrac{55}{39} = 1\dfrac{16}{39}$

b) $\dfrac{7}{20} + \dfrac{5}{12} = \dfrac{21}{60} + \dfrac{25}{60} = \dfrac{46}{60} = \dfrac{23}{30}$

c) $\dfrac{4}{7} + \dfrac{11}{28} = \dfrac{16}{28} + \dfrac{11}{28} = \dfrac{27}{28}$

d) $\dfrac{5}{28} + \dfrac{6}{7} = \dfrac{5}{28} + \dfrac{24}{28} = \dfrac{29}{28} = 1\dfrac{1}{28}$

2 a) $\dfrac{3}{5} + \dfrac{9}{20} = \dfrac{12}{20} + \dfrac{9}{20} = \dfrac{21}{20} = 1\dfrac{1}{20}$

b) $\dfrac{4}{9} + \dfrac{1}{36} = \dfrac{16}{36} + \dfrac{1}{36} = \dfrac{17}{36}$

c) $\dfrac{16}{21} + \dfrac{3}{7} = \dfrac{16}{21} + \dfrac{9}{21} = \dfrac{25}{21} = 1\dfrac{4}{21}$

d) $\dfrac{8}{15} + \dfrac{8}{9} = \dfrac{24}{45} + \dfrac{40}{45} = \dfrac{64}{45} = 1\dfrac{19}{45}$

3 a) $\dfrac{7}{13} + \dfrac{17}{39} = \dfrac{21}{39} + \dfrac{17}{39} = \dfrac{38}{39}$

b) $\dfrac{3}{44} + \dfrac{9}{11} = \dfrac{3}{44} + \dfrac{36}{44} = \dfrac{39}{44}$

c) $\dfrac{9}{16} + \dfrac{29}{32} = \dfrac{18}{32} + \dfrac{29}{32} = \dfrac{47}{32} = 1\dfrac{15}{32}$

d) $\dfrac{15}{22} + \dfrac{23}{44} = \dfrac{30}{44} + \dfrac{23}{44} = \dfrac{53}{44} = 1\dfrac{9}{44}$

4 a) $\dfrac{4}{15} + \dfrac{1}{9} = \dfrac{12}{45} + \dfrac{5}{45} = \dfrac{17}{45}$

b) $\dfrac{17}{21} + \dfrac{25}{42} = \dfrac{34}{42} + \dfrac{25}{42} = \dfrac{59}{42} = 1\dfrac{17}{42}$

c) $\dfrac{13}{36} + \dfrac{2}{3} = \dfrac{13}{36} + \dfrac{24}{36} = \dfrac{37}{36} = 1\dfrac{1}{36}$

d) $\dfrac{7}{17} + \dfrac{15}{34} = \dfrac{14}{34} + \dfrac{15}{34} = \dfrac{29}{34}$

5 a) $\dfrac{19}{30} + \dfrac{1}{6} = \dfrac{19}{30} + \dfrac{5}{30} = \dfrac{24}{30} = \dfrac{4}{5}$

b) $\dfrac{16}{19} + \dfrac{23}{38} = \dfrac{32}{38} + \dfrac{23}{38} = \dfrac{55}{38} = 1\dfrac{17}{38}$

c) $\dfrac{28}{45} + \dfrac{2}{15} = \dfrac{28}{45} + \dfrac{6}{45} = \dfrac{34}{45}$

d) $\dfrac{1}{3} + \dfrac{15}{17} = \dfrac{17}{51} + \dfrac{45}{51} = \dfrac{62}{51} = 1\dfrac{11}{51}$