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

1 a) $\frac{17}{19} + \frac{15}{38} =$ b) $\frac{5}{33} + \frac{5}{11} =$

c) $\frac{25}{34} + \frac{10}{17} =$ d) $\frac{1}{3} + \frac{11}{15} =$

2 a) $\frac{10}{39} + \frac{2}{13} =$ b) $\frac{2}{9} + \frac{14}{45} =$

c) $\frac{18}{35} + \frac{4}{7} =$ d) $\frac{5}{19} + \frac{1}{38} =$

3 a) $\frac{15}{17} + \frac{21}{34} =$ b) $\frac{6}{7} + \frac{27}{35} =$

c) $\frac{10}{33} + \frac{6}{11} =$ d) $\frac{13}{18} + \frac{1}{9} =$

4 a) $\frac{3}{4} + \frac{17}{44} =$ b) $\frac{11}{32} + \frac{5}{16} =$

c) $\frac{7}{16} + \frac{11}{12} =$ d) $\frac{1}{2} + \frac{17}{32} =$

5 a) $\frac{4}{27} + \frac{2}{3} =$ b) $\frac{22}{45} + \frac{3}{5} =$

c) $\frac{25}{42} + \frac{4}{7} =$ d) $\frac{6}{13} + \frac{11}{39} =$

Quelle: www.matheaufgaben.net/arbeitsblaetter/bruchrechnung/brueche-addieren/

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

1

a) $\frac{17}{19} + \frac{15}{38} = \frac{34}{38} + \frac{15}{38} = \frac{49}{38} = 1\frac{11}{38}$

b) $\frac{5}{33} + \frac{5}{11} = \frac{5}{33} + \frac{15}{33} = \frac{20}{33}$

c) $\frac{25}{34} + \frac{10}{17} = \frac{25}{34} + \frac{20}{34} = \frac{45}{34} = 1\frac{11}{34}$

d) $\frac{1}{3} + \frac{11}{15} = \frac{5}{15} + \frac{11}{15} = \frac{16}{15} = 1\frac{1}{15}$

2

a) $\frac{10}{39} + \frac{2}{13} = \frac{10}{39} + \frac{6}{39} = \frac{16}{39}$

b) $\frac{2}{9} + \frac{14}{45} = \frac{10}{45} + \frac{14}{45} = \frac{24}{45} = \frac{8}{15}$

c) $\frac{18}{35} + \frac{4}{7} = \frac{18}{35} + \frac{20}{35} = \frac{38}{35} = 1\frac{3}{35}$

d) $\frac{5}{19} + \frac{1}{38} = \frac{10}{38} + \frac{1}{38} = \frac{11}{38}$

3

a) $\frac{15}{17} + \frac{21}{34} = \frac{30}{34} + \frac{21}{34} = \frac{51}{34} = 1\frac{1}{2}$

b) $\frac{6}{7} + \frac{27}{35} = \frac{30}{35} + \frac{27}{35} = \frac{57}{35} = 1\frac{22}{35}$

c) $\frac{10}{33} + \frac{6}{11} = \frac{10}{33} + \frac{18}{33} = \frac{28}{33}$

d) $\frac{13}{18} + \frac{1}{9} = \frac{13}{18} + \frac{2}{18} = \frac{15}{18} = \frac{5}{6}$

4

a) $\frac{3}{4} + \frac{17}{44} = \frac{33}{44} + \frac{17}{44} = \frac{50}{44} = 1\frac{3}{22}$

b) $\frac{11}{32} + \frac{5}{16} = \frac{11}{32} + \frac{10}{32} = \frac{21}{32}$

c) $\frac{7}{16} + \frac{11}{12} = \frac{21}{48} + \frac{44}{48} = \frac{65}{48} = 1\frac{17}{48}$

d) $\frac{1}{2} + \frac{17}{32} = \frac{16}{32} + \frac{17}{32} = \frac{33}{32} = 1\frac{1}{32}$

5

a) $\frac{4}{27} + \frac{2}{3} = \frac{4}{27} + \frac{18}{27} = \frac{22}{27}$

b) $\frac{22}{45} + \frac{3}{5} = \frac{22}{45} + \frac{27}{45} = \frac{49}{45} = 1\frac{4}{45}$

c) $\frac{25}{42} + \frac{4}{7} = \frac{25}{42} + \frac{24}{42} = \frac{49}{42} = 1\frac{1}{6}$

d) $\frac{6}{13} + \frac{11}{39} = \frac{18}{39} + \frac{11}{39} = \frac{29}{39}$

Quelle: www.matheaufgaben.net/arbeitsblaetter/bruchrechnung/brueche-addieren/

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