

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

① a) $\frac{19}{30} + \frac{14}{15} =$

b) $\frac{1}{4} + \frac{27}{40} =$

c) $\frac{11}{42} + \frac{5}{6} =$

d) $\frac{17}{20} + \frac{4}{5} =$

② a) $\frac{3}{26} + \frac{6}{13} =$

b) $\frac{2}{3} + \frac{23}{30} =$

c) $\frac{23}{34} + \frac{7}{17} =$

d) $\frac{1}{9} + \frac{22}{27} =$

③ a) $\frac{3}{8} + \frac{11}{32} =$

b) $\frac{12}{23} + \frac{1}{2} =$

c) $\frac{11}{28} + \frac{13}{14} =$

d) $\frac{3}{11} + \frac{7}{22} =$

④ a) $\frac{2}{21} + \frac{23}{42} =$

b) $\frac{11}{12} + \frac{1}{5} =$

c) $\frac{19}{22} + \frac{5}{44} =$

d) $\frac{13}{45} + \frac{8}{9} =$

⑤ a) $\frac{18}{25} + \frac{4}{5} =$

b) $\frac{7}{12} + \frac{1}{8} =$

c) $\frac{20}{21} + \frac{29}{42} =$

d) $\frac{3}{4} + \frac{13}{32} =$

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$$\textcircled{1} \quad \text{a) } \frac{19}{30} + \frac{14}{15} = \frac{19}{30} + \frac{28}{30} = \frac{47}{30} = 1 \frac{17}{30}$$

$$\text{b) } \frac{1}{4} + \frac{27}{40} = \frac{10}{40} + \frac{27}{40} = \frac{37}{40}$$

$$\text{c) } \frac{11}{42} + \frac{5}{6} = \frac{11}{42} + \frac{35}{42} = \frac{46}{42} = 1 \frac{2}{21}$$

$$\text{d) } \frac{17}{20} + \frac{4}{5} = \frac{17}{20} + \frac{16}{20} = \frac{33}{20} = 1 \frac{13}{20}$$

$$\textcircled{2} \quad \text{a) } \frac{3}{26} + \frac{6}{13} = \frac{3}{26} + \frac{12}{26} = \frac{15}{26}$$

$$\text{b) } \frac{2}{3} + \frac{23}{30} = \frac{20}{30} + \frac{23}{30} = \frac{43}{30} = 1 \frac{13}{30}$$

$$\text{c) } \frac{23}{34} + \frac{7}{17} = \frac{23}{34} + \frac{14}{34} = \frac{37}{34} = 1 \frac{3}{34}$$

$$\text{d) } \frac{1}{9} + \frac{22}{27} = \frac{3}{27} + \frac{22}{27} = \frac{25}{27}$$

$$\textcircled{3} \quad \text{a) } \frac{3}{8} + \frac{11}{32} = \frac{12}{32} + \frac{11}{32} = \frac{23}{32}$$

$$\text{b) } \frac{12}{23} + \frac{1}{2} = \frac{24}{46} + \frac{23}{46} = \frac{47}{46} = 1 \frac{1}{46}$$

$$\text{c) } \frac{11}{28} + \frac{13}{14} = \frac{11}{28} + \frac{26}{28} = \frac{37}{28} = 1 \frac{9}{28}$$

$$\text{d) } \frac{3}{11} + \frac{7}{22} = \frac{6}{22} + \frac{7}{22} = \frac{13}{22}$$

$$\textcircled{4} \quad \text{a) } \frac{2}{21} + \frac{23}{42} = \frac{4}{42} + \frac{23}{42} = \frac{27}{42} = \frac{9}{14}$$

$$\text{b) } \frac{11}{12} + \frac{1}{5} = \frac{55}{60} + \frac{12}{60} = \frac{67}{60} = 1 \frac{7}{60}$$

$$\text{c) } \frac{19}{22} + \frac{5}{44} = \frac{38}{44} + \frac{5}{44} = \frac{43}{44}$$

$$\text{d) } \frac{13}{45} + \frac{8}{9} = \frac{13}{45} + \frac{40}{45} = \frac{53}{45} = 1 \frac{8}{45}$$

$$\textcircled{5} \quad \text{a) } \frac{18}{25} + \frac{4}{5} = \frac{18}{25} + \frac{20}{25} = \frac{38}{25} = 1 \frac{13}{25}$$

$$\text{b) } \frac{7}{12} + \frac{1}{8} = \frac{14}{24} + \frac{3}{24} = \frac{17}{24}$$

$$\text{c) } \frac{20}{21} + \frac{29}{42} = \frac{40}{42} + \frac{29}{42} = \frac{69}{42} = 1 \frac{9}{14}$$

$$\text{d) } \frac{3}{4} + \frac{13}{32} = \frac{24}{32} + \frac{13}{32} = \frac{37}{32} = 1 \frac{5}{32}$$