

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

① a) $\frac{2}{3} : \frac{7}{9} =$

b) $\frac{5}{26} : \frac{3}{8} =$

c) $\frac{4}{7} : \frac{6}{11} =$

d) $\frac{2}{5} : \frac{4}{13} =$

② a) $\frac{1}{3} : \frac{29}{30} =$

b) $\frac{9}{31} : \frac{3}{10} =$

c) $\frac{10}{21} : \frac{4}{9} =$

d) $\frac{1}{2} : \frac{13}{34} =$

③ a) $\frac{2}{15} : \frac{5}{36} =$

b) $\frac{6}{7} : \frac{4}{7} =$

c) $\frac{3}{40} : \frac{1}{26} =$

d) $\frac{2}{37} : \frac{2}{17} =$

④ a) $\frac{2}{3} : \frac{23}{45} =$

b) $\frac{3}{34} : \frac{1}{16} =$

c) $\frac{3}{4} : \frac{24}{29} =$

d) $\frac{4}{9} : \frac{10}{23} =$

⑤ a) $\frac{4}{13} : \frac{2}{15} =$

b) $\frac{1}{8} : \frac{11}{38} =$

c) $\frac{13}{30} : \frac{1}{2} =$

d) $\frac{6}{7} : \frac{5}{7} =$

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

- ① a) $\frac{2}{3} : \frac{7}{9} = \frac{2}{3} \cdot \frac{9}{7} = \frac{2 \cdot 3}{1 \cdot 7} = \frac{6}{7}$ b) $\frac{5}{26} : \frac{3}{8} = \frac{5}{26} \cdot \frac{8}{3} = \frac{5 \cdot 4}{13 \cdot 3} = \frac{20}{39}$
- c) $\frac{4}{7} : \frac{6}{11} = \frac{4}{7} \cdot \frac{11}{6} = \frac{2 \cdot 11}{7 \cdot 3} = 1 \frac{1}{21}$ d) $\frac{2}{5} : \frac{4}{13} = \frac{2}{5} \cdot \frac{13}{4} = \frac{1 \cdot 13}{5 \cdot 2} = 1 \frac{3}{10}$
- ② a) $\frac{1}{3} : \frac{29}{30} = \frac{1}{3} \cdot \frac{30}{29} = \frac{1 \cdot 10}{1 \cdot 29} = \frac{10}{29}$ b) $\frac{9}{31} : \frac{3}{10} = \frac{9}{31} \cdot \frac{10}{3} = \frac{3 \cdot 10}{31 \cdot 1} = \frac{30}{31}$
- c) $\frac{10}{21} : \frac{4}{9} = \frac{10}{21} \cdot \frac{9}{4} = \frac{5 \cdot 3}{7 \cdot 2} = 1 \frac{1}{14}$ d) $\frac{1}{2} : \frac{13}{34} = \frac{1}{2} \cdot \frac{34}{13} = \frac{1 \cdot 17}{1 \cdot 13} = 1 \frac{4}{13}$
- ③ a) $\frac{2}{15} : \frac{5}{36} = \frac{2}{15} \cdot \frac{36}{5} = \frac{2 \cdot 12}{5 \cdot 5} = \frac{24}{25}$ b) $\frac{6}{7} : \frac{4}{7} = \frac{6}{7} \cdot \frac{7}{4} = \frac{3 \cdot 1}{1 \cdot 2} = 1 \frac{1}{2}$
- c) $\frac{3}{40} : \frac{1}{26} = \frac{3}{40} \cdot \frac{26}{1} = \frac{3 \cdot 13}{20 \cdot 1} = 1 \frac{19}{20}$ d) $\frac{2}{37} : \frac{2}{17} = \frac{2}{37} \cdot \frac{17}{2} = \frac{1 \cdot 17}{37 \cdot 1} = \frac{17}{37}$
- ④ a) $\frac{2}{3} : \frac{23}{45} = \frac{2}{3} \cdot \frac{45}{23} = \frac{2 \cdot 15}{1 \cdot 23} = 1 \frac{7}{23}$ b) $\frac{3}{34} : \frac{1}{16} = \frac{3}{34} \cdot \frac{16}{1} = \frac{3 \cdot 8}{17 \cdot 1} = 1 \frac{7}{17}$
- c) $\frac{3}{4} : \frac{24}{29} = \frac{3}{4} \cdot \frac{29}{24} = \frac{1 \cdot 29}{4 \cdot 8} = \frac{29}{32}$ d) $\frac{4}{9} : \frac{10}{23} = \frac{4}{9} \cdot \frac{23}{10} = \frac{2 \cdot 23}{9 \cdot 5} = 1 \frac{1}{45}$
- ⑤ a) $\frac{4}{13} : \frac{2}{15} = \frac{4}{13} \cdot \frac{15}{2} = \frac{2 \cdot 15}{13 \cdot 1} = 2 \frac{4}{13}$ b) $\frac{1}{8} : \frac{11}{38} = \frac{1}{8} \cdot \frac{38}{11} = \frac{1 \cdot 19}{4 \cdot 11} = \frac{19}{44}$
- c) $\frac{13}{30} : \frac{1}{2} = \frac{13}{30} \cdot \frac{2}{1} = \frac{13 \cdot 1}{15 \cdot 1} = \frac{13}{15}$ d) $\frac{6}{7} : \frac{5}{7} = \frac{6}{7} \cdot \frac{7}{5} = \frac{6 \cdot 1}{1 \cdot 5} = 1 \frac{1}{5}$