

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

① a) $\frac{2}{41} : \frac{1}{41} =$

b) $\frac{4}{17} : \frac{4}{17} =$

c) $\frac{1}{7} : \frac{12}{35} =$

d) $\frac{1}{39} : \frac{2}{27} =$

② a) $\frac{1}{4} : \frac{3}{38} =$

b) $\frac{1}{2} : \frac{9}{40} =$

c) $\frac{11}{25} : \frac{4}{5} =$

d) $\frac{1}{6} : \frac{1}{34} =$

③ a) $\frac{8}{43} : \frac{2}{11} =$

b) $\frac{1}{15} : \frac{6}{35} =$

c) $\frac{13}{22} : \frac{3}{4} =$

d) $\frac{5}{32} : \frac{1}{12} =$

④ a) $\frac{2}{3} : \frac{4}{23} =$

b) $\frac{6}{31} : \frac{3}{10} =$

c) $\frac{4}{35} : \frac{1}{25} =$

d) $\frac{2}{9} : \frac{4}{33} =$

⑤ a) $\frac{3}{32} : \frac{3}{26} =$

b) $\frac{6}{37} : \frac{2}{11} =$

c) $\frac{3}{4} : \frac{12}{17} =$

d) $\frac{5}{14} : \frac{3}{20} =$

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

- ① a) $\frac{2}{41} : \frac{1}{41} = \frac{2}{41} \cdot \frac{41}{1} = \frac{2 \cdot 1}{1 \cdot 1} = 2$ b) $\frac{4}{17} : \frac{4}{17} = \frac{4}{17} \cdot \frac{17}{4} = \frac{1 \cdot 1}{1 \cdot 1} = 1$
- c) $\frac{1}{7} : \frac{12}{35} = \frac{1}{7} \cdot \frac{35}{12} = \frac{1 \cdot 5}{1 \cdot 12} = \frac{5}{12}$ d) $\frac{1}{39} : \frac{2}{27} = \frac{1}{39} \cdot \frac{27}{2} = \frac{1 \cdot 9}{13 \cdot 2} = \frac{9}{26}$
- ② a) $\frac{1}{4} : \frac{3}{38} = \frac{1}{4} \cdot \frac{38}{3} = \frac{1 \cdot 19}{2 \cdot 3} = 3 \frac{1}{6}$ b) $\frac{1}{2} : \frac{9}{40} = \frac{1}{2} \cdot \frac{40}{9} = \frac{1 \cdot 20}{1 \cdot 9} = 2 \frac{2}{9}$
- c) $\frac{11}{25} : \frac{4}{5} = \frac{11}{25} \cdot \frac{5}{4} = \frac{11 \cdot 1}{5 \cdot 4} = \frac{11}{20}$ d) $\frac{1}{6} : \frac{1}{34} = \frac{1}{6} \cdot \frac{34}{1} = \frac{1 \cdot 17}{3 \cdot 1} = 5 \frac{2}{3}$
- ③ a) $\frac{8}{43} : \frac{2}{11} = \frac{8}{43} \cdot \frac{11}{2} = \frac{4 \cdot 11}{43 \cdot 1} = 1 \frac{1}{43}$ b) $\frac{1}{15} : \frac{6}{35} = \frac{1}{15} \cdot \frac{35}{6} = \frac{1 \cdot 7}{3 \cdot 6} = \frac{7}{18}$
- c) $\frac{13}{22} : \frac{3}{4} = \frac{13}{22} \cdot \frac{4}{3} = \frac{13 \cdot 2}{11 \cdot 3} = \frac{26}{33}$ d) $\frac{5}{32} : \frac{1}{12} = \frac{5}{32} \cdot \frac{12}{1} = \frac{5 \cdot 3}{8 \cdot 1} = 1 \frac{7}{8}$
- ④ a) $\frac{2}{3} : \frac{4}{23} = \frac{2}{3} \cdot \frac{23}{4} = \frac{1 \cdot 23}{3 \cdot 2} = 3 \frac{5}{6}$ b) $\frac{6}{31} : \frac{3}{10} = \frac{6}{31} \cdot \frac{10}{3} = \frac{2 \cdot 10}{31 \cdot 1} = \frac{20}{31}$
- c) $\frac{4}{35} : \frac{1}{25} = \frac{4}{35} \cdot \frac{25}{1} = \frac{4 \cdot 5}{7 \cdot 1} = 2 \frac{6}{7}$ d) $\frac{2}{9} : \frac{4}{33} = \frac{2}{9} \cdot \frac{33}{4} = \frac{1 \cdot 11}{3 \cdot 2} = 1 \frac{5}{6}$
- ⑤ a) $\frac{3}{32} : \frac{3}{26} = \frac{3}{32} \cdot \frac{26}{3} = \frac{1 \cdot 13}{16 \cdot 1} = \frac{13}{16}$ b) $\frac{6}{37} : \frac{2}{11} = \frac{6}{37} \cdot \frac{11}{2} = \frac{3 \cdot 11}{37 \cdot 1} = \frac{33}{37}$
- c) $\frac{3}{4} : \frac{12}{17} = \frac{3}{4} \cdot \frac{17}{12} = \frac{1 \cdot 17}{4 \cdot 4} = 1 \frac{1}{16}$ d) $\frac{5}{14} : \frac{3}{20} = \frac{5}{14} \cdot \frac{20}{3} = \frac{5 \cdot 10}{7 \cdot 3} = 2 \frac{8}{21}$