

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

① a)  $\frac{6}{19} : \frac{2}{13} =$

b)  $\frac{1}{6} : \frac{13}{45} =$

c)  $\frac{5}{12} : \frac{1}{10} =$

d)  $\frac{2}{37} : \frac{2}{43} =$

② a)  $\frac{2}{9} : \frac{6}{11} =$

b)  $\frac{5}{32} : \frac{3}{8} =$

c)  $\frac{2}{3} : \frac{4}{13} =$

d)  $\frac{4}{15} : \frac{2}{25} =$

③ a)  $\frac{1}{12} : \frac{5}{26} =$

b)  $\frac{2}{5} : \frac{1}{5} =$

c)  $\frac{5}{6} : \frac{3}{10} =$

d)  $\frac{1}{4} : \frac{23}{30} =$

④ a)  $\frac{1}{40} : \frac{1}{32} =$

b)  $\frac{4}{5} : \frac{10}{17} =$

c)  $\frac{1}{6} : \frac{5}{33} =$

d)  $\frac{1}{26} : \frac{3}{8} =$

⑤ a)  $\frac{2}{15} : \frac{6}{13} =$

b)  $\frac{1}{19} : \frac{1}{19} =$

c)  $\frac{1}{3} : \frac{2}{39} =$

d)  $\frac{5}{16} : \frac{5}{7} =$

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

- ① a)  $\frac{6}{19} : \frac{2}{13} = \frac{6}{19} \cdot \frac{13}{2} = \frac{3 \cdot 13}{19 \cdot 1} = 2 \frac{1}{19}$       b)  $\frac{1}{6} : \frac{13}{45} = \frac{1}{6} \cdot \frac{45}{13} = \frac{1 \cdot 15}{2 \cdot 13} = \frac{15}{26}$
- c)  $\frac{5}{12} : \frac{1}{10} = \frac{5}{12} \cdot \frac{10}{1} = \frac{5 \cdot 5}{6 \cdot 1} = 4 \frac{1}{6}$       d)  $\frac{2}{37} : \frac{2}{43} = \frac{2}{37} \cdot \frac{43}{2} = \frac{1 \cdot 43}{37 \cdot 1} = 1 \frac{6}{37}$
- ② a)  $\frac{2}{9} : \frac{6}{11} = \frac{2}{9} \cdot \frac{11}{6} = \frac{1 \cdot 11}{9 \cdot 3} = \frac{11}{27}$       b)  $\frac{5}{32} : \frac{3}{8} = \frac{5}{32} \cdot \frac{8}{3} = \frac{5 \cdot 1}{4 \cdot 3} = \frac{5}{12}$
- c)  $\frac{2}{3} : \frac{4}{13} = \frac{2}{3} \cdot \frac{13}{4} = \frac{1 \cdot 13}{3 \cdot 2} = 2 \frac{1}{6}$       d)  $\frac{4}{15} : \frac{2}{25} = \frac{4}{15} \cdot \frac{25}{2} = \frac{2 \cdot 5}{3 \cdot 1} = 3 \frac{1}{3}$
- ③ a)  $\frac{1}{12} : \frac{5}{26} = \frac{1}{12} \cdot \frac{26}{5} = \frac{1 \cdot 13}{6 \cdot 5} = \frac{13}{30}$       b)  $\frac{2}{5} : \frac{1}{5} = \frac{2}{5} \cdot \frac{5}{1} = \frac{2 \cdot 1}{1 \cdot 1} = 2$
- c)  $\frac{5}{6} : \frac{3}{10} = \frac{5}{6} \cdot \frac{10}{3} = \frac{5 \cdot 5}{3 \cdot 3} = 2 \frac{7}{9}$       d)  $\frac{1}{4} : \frac{23}{30} = \frac{1}{4} \cdot \frac{30}{23} = \frac{1 \cdot 15}{2 \cdot 23} = \frac{15}{46}$
- ④ a)  $\frac{1}{40} : \frac{1}{32} = \frac{1}{40} \cdot \frac{32}{1} = \frac{1 \cdot 4}{5 \cdot 1} = \frac{4}{5}$       b)  $\frac{4}{5} : \frac{10}{17} = \frac{4}{5} \cdot \frac{17}{10} = \frac{2 \cdot 17}{5 \cdot 5} = 1 \frac{9}{25}$
- c)  $\frac{1}{6} : \frac{5}{33} = \frac{1}{6} \cdot \frac{33}{5} = \frac{1 \cdot 11}{2 \cdot 5} = 1 \frac{1}{10}$       d)  $\frac{1}{26} : \frac{3}{8} = \frac{1}{26} \cdot \frac{8}{3} = \frac{1 \cdot 4}{13 \cdot 3} = \frac{4}{39}$
- ⑤ a)  $\frac{2}{15} : \frac{6}{13} = \frac{2}{15} \cdot \frac{13}{6} = \frac{1 \cdot 13}{15 \cdot 3} = \frac{13}{45}$       b)  $\frac{1}{19} : \frac{1}{19} = \frac{1}{19} \cdot \frac{19}{1} = \frac{1 \cdot 1}{1 \cdot 1} = 1$
- c)  $\frac{1}{3} : \frac{2}{39} = \frac{1}{3} \cdot \frac{39}{2} = \frac{1 \cdot 13}{1 \cdot 2} = 6 \frac{1}{2}$       d)  $\frac{5}{16} : \frac{5}{7} = \frac{5}{16} \cdot \frac{7}{5} = \frac{1 \cdot 7}{16 \cdot 1} = \frac{7}{16}$