

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

① a)  $\frac{1}{3} : \frac{13}{21} =$

b)  $\frac{5}{11} : \frac{5}{11} =$

c)  $\frac{9}{22} : \frac{1}{4} =$

d)  $\frac{1}{5} : \frac{8}{25} =$

② a)  $\frac{3}{8} : \frac{12}{17} =$

b)  $\frac{4}{21} : \frac{1}{24} =$

c)  $\frac{6}{7} : \frac{3}{4} =$

d)  $\frac{3}{35} : \frac{2}{15} =$

③ a)  $\frac{1}{11} : \frac{5}{44} =$

b)  $\frac{1}{3} : \frac{1}{30} =$

c)  $\frac{11}{14} : \frac{4}{7} =$

d)  $\frac{4}{9} : \frac{8}{9} =$

④ a)  $\frac{1}{21} : \frac{2}{39} =$

b)  $\frac{5}{26} : \frac{1}{18} =$

c)  $\frac{5}{6} : \frac{10}{19} =$

d)  $\frac{3}{11} : \frac{9}{29} =$

⑤ a)  $\frac{4}{25} : \frac{2}{23} =$

b)  $\frac{25}{26} : \frac{1}{2} =$

c)  $\frac{2}{13} : \frac{4}{17} =$

d)  $\frac{1}{6} : \frac{11}{18} =$

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

- ① a)  $\frac{1}{3} : \frac{13}{21} = \frac{1}{3} \cdot \frac{21}{13} = \frac{1 \cdot 7}{1 \cdot 13} = \frac{7}{13}$       b)  $\frac{5}{11} : \frac{5}{11} = \frac{5}{11} \cdot \frac{11}{5} = \frac{1 \cdot 1}{1 \cdot 1} = 1$
- c)  $\frac{9}{22} : \frac{1}{4} = \frac{9}{22} \cdot \frac{4}{1} = \frac{9 \cdot 2}{11 \cdot 1} = 1 \frac{7}{11}$       d)  $\frac{1}{5} : \frac{8}{25} = \frac{1}{5} \cdot \frac{25}{8} = \frac{1 \cdot 5}{1 \cdot 8} = \frac{5}{8}$
- ② a)  $\frac{3}{8} : \frac{12}{17} = \frac{3}{8} \cdot \frac{17}{12} = \frac{1 \cdot 17}{8 \cdot 4} = \frac{17}{32}$       b)  $\frac{4}{21} : \frac{1}{24} = \frac{4}{21} \cdot \frac{24}{1} = \frac{4 \cdot 8}{7 \cdot 1} = 4 \frac{4}{7}$
- c)  $\frac{6}{7} : \frac{3}{4} = \frac{6}{7} \cdot \frac{4}{3} = \frac{2 \cdot 4}{7 \cdot 1} = 1 \frac{1}{7}$       d)  $\frac{3}{35} : \frac{2}{15} = \frac{3}{35} \cdot \frac{15}{2} = \frac{3 \cdot 3}{7 \cdot 2} = \frac{9}{14}$
- ③ a)  $\frac{1}{11} : \frac{5}{44} = \frac{1}{11} \cdot \frac{44}{5} = \frac{1 \cdot 4}{1 \cdot 5} = \frac{4}{5}$       b)  $\frac{1}{3} : \frac{1}{30} = \frac{1}{3} \cdot \frac{30}{1} = \frac{1 \cdot 10}{1 \cdot 1} = 10$
- c)  $\frac{11}{14} : \frac{4}{7} = \frac{11}{14} \cdot \frac{7}{4} = \frac{11 \cdot 1}{2 \cdot 4} = 1 \frac{3}{8}$       d)  $\frac{4}{9} : \frac{8}{9} = \frac{4}{9} \cdot \frac{9}{8} = \frac{1 \cdot 1}{1 \cdot 2} = \frac{1}{2}$
- ④ a)  $\frac{1}{21} : \frac{2}{39} = \frac{1}{21} \cdot \frac{39}{2} = \frac{1 \cdot 13}{7 \cdot 2} = \frac{13}{14}$       b)  $\frac{5}{26} : \frac{1}{18} = \frac{5}{26} \cdot \frac{18}{1} = \frac{5 \cdot 9}{13 \cdot 1} = 3 \frac{6}{13}$
- c)  $\frac{5}{6} : \frac{10}{19} = \frac{5}{6} \cdot \frac{19}{10} = \frac{1 \cdot 19}{6 \cdot 2} = 1 \frac{7}{12}$       d)  $\frac{3}{11} : \frac{9}{29} = \frac{3}{11} \cdot \frac{29}{9} = \frac{1 \cdot 29}{11 \cdot 3} = \frac{29}{33}$
- ⑤ a)  $\frac{4}{25} : \frac{2}{23} = \frac{4}{25} \cdot \frac{23}{2} = \frac{2 \cdot 23}{25 \cdot 1} = 1 \frac{21}{25}$       b)  $\frac{25}{26} : \frac{1}{2} = \frac{25}{26} \cdot \frac{2}{1} = \frac{25 \cdot 1}{13 \cdot 1} = 1 \frac{12}{13}$
- c)  $\frac{2}{13} : \frac{4}{17} = \frac{2}{13} \cdot \frac{17}{4} = \frac{1 \cdot 17}{13 \cdot 2} = \frac{17}{26}$       d)  $\frac{1}{6} : \frac{11}{18} = \frac{1}{6} \cdot \frac{18}{11} = \frac{1 \cdot 3}{1 \cdot 11} = \frac{3}{11}$