

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

① a)  $\frac{8}{15} : \frac{2}{11} =$

b)  $\frac{1}{3} : \frac{1}{39} =$

c)  $\frac{1}{8} : \frac{5}{22} =$

d)  $\frac{4}{9} : \frac{2}{7} =$

② a)  $\frac{9}{20} : \frac{3}{10} =$

b)  $\frac{2}{15} : \frac{5}{33} =$

c)  $\frac{2}{3} : \frac{18}{43} =$

d)  $\frac{9}{16} : \frac{3}{11} =$

③ a)  $\frac{6}{29} : \frac{2}{5} =$

b)  $\frac{1}{42} : \frac{1}{18} =$

c)  $\frac{5}{28} : \frac{3}{20} =$

d)  $\frac{8}{9} : \frac{8}{11} =$

④ a)  $\frac{3}{16} : \frac{5}{24} =$

b)  $\frac{2}{3} : \frac{17}{39} =$

c)  $\frac{15}{32} : \frac{1}{6} =$

d)  $\frac{13}{25} : \frac{3}{5} =$

⑤ a)  $\frac{2}{9} : \frac{10}{29} =$

b)  $\frac{29}{42} : \frac{1}{2} =$

c)  $\frac{2}{7} : \frac{4}{37} =$

d)  $\frac{1}{4} : \frac{11}{18} =$

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

- ① a)  $\frac{8}{15} : \frac{2}{11} = \frac{8}{15} \cdot \frac{11}{2} = \frac{4 \cdot 11}{15 \cdot 1} = 2 \frac{14}{15}$       b)  $\frac{1}{3} : \frac{1}{39} = \frac{1}{3} \cdot \frac{39}{1} = \frac{1 \cdot 13}{1 \cdot 1} = 13$
- c)  $\frac{1}{8} : \frac{5}{22} = \frac{1}{8} \cdot \frac{22}{5} = \frac{1 \cdot 11}{4 \cdot 5} = \frac{11}{20}$       d)  $\frac{4}{9} : \frac{2}{7} = \frac{4}{9} \cdot \frac{7}{2} = \frac{2 \cdot 7}{9 \cdot 1} = 1 \frac{5}{9}$
- ② a)  $\frac{9}{20} : \frac{3}{10} = \frac{9}{20} \cdot \frac{10}{3} = \frac{3 \cdot 1}{2 \cdot 1} = 1 \frac{1}{2}$       b)  $\frac{2}{15} : \frac{5}{33} = \frac{2}{15} \cdot \frac{33}{5} = \frac{2 \cdot 11}{5 \cdot 5} = \frac{22}{25}$
- c)  $\frac{2}{3} : \frac{18}{43} = \frac{2}{3} \cdot \frac{43}{18} = \frac{1 \cdot 43}{3 \cdot 9} = 1 \frac{16}{27}$       d)  $\frac{9}{16} : \frac{3}{11} = \frac{9}{16} \cdot \frac{11}{3} = \frac{3 \cdot 11}{16 \cdot 1} = 2 \frac{1}{16}$
- ③ a)  $\frac{6}{29} : \frac{2}{5} = \frac{6}{29} \cdot \frac{5}{2} = \frac{3 \cdot 5}{29 \cdot 1} = \frac{15}{29}$       b)  $\frac{1}{42} : \frac{1}{18} = \frac{1}{42} \cdot \frac{18}{1} = \frac{1 \cdot 3}{7 \cdot 1} = \frac{3}{7}$
- c)  $\frac{5}{28} : \frac{3}{20} = \frac{5}{28} \cdot \frac{20}{3} = \frac{5 \cdot 5}{7 \cdot 3} = 1 \frac{4}{21}$       d)  $\frac{8}{9} : \frac{8}{11} = \frac{8}{9} \cdot \frac{11}{8} = \frac{1 \cdot 11}{9 \cdot 1} = 1 \frac{2}{9}$
- ④ a)  $\frac{3}{16} : \frac{5}{24} = \frac{3}{16} \cdot \frac{24}{5} = \frac{3 \cdot 3}{2 \cdot 5} = \frac{9}{10}$       b)  $\frac{2}{3} : \frac{17}{39} = \frac{2}{3} \cdot \frac{39}{17} = \frac{2 \cdot 13}{1 \cdot 17} = 1 \frac{9}{17}$
- c)  $\frac{15}{32} : \frac{1}{6} = \frac{15}{32} \cdot \frac{6}{1} = \frac{15 \cdot 3}{16 \cdot 1} = 2 \frac{13}{16}$       d)  $\frac{13}{25} : \frac{3}{5} = \frac{13}{25} \cdot \frac{5}{3} = \frac{13 \cdot 1}{5 \cdot 3} = \frac{13}{15}$
- ⑤ a)  $\frac{2}{9} : \frac{10}{29} = \frac{2}{9} \cdot \frac{29}{10} = \frac{1 \cdot 29}{9 \cdot 5} = \frac{29}{45}$       b)  $\frac{29}{42} : \frac{1}{2} = \frac{29}{42} \cdot \frac{2}{1} = \frac{29 \cdot 1}{21 \cdot 1} = 1 \frac{8}{21}$
- c)  $\frac{2}{7} : \frac{4}{37} = \frac{2}{7} \cdot \frac{37}{4} = \frac{1 \cdot 37}{7 \cdot 2} = 2 \frac{9}{14}$       d)  $\frac{1}{4} : \frac{11}{18} = \frac{1}{4} \cdot \frac{18}{11} = \frac{1 \cdot 9}{2 \cdot 11} = \frac{9}{22}$