

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

① a)  $\frac{1}{24} : \frac{1}{12} =$

b)  $\frac{6}{17} : \frac{4}{5} =$

c)  $\frac{22}{29} : \frac{2}{3} =$

d)  $\frac{3}{4} : \frac{9}{26} =$

② a)  $\frac{1}{13} : \frac{7}{39} =$

b)  $\frac{5}{22} : \frac{3}{20} =$

c)  $\frac{1}{5} : \frac{1}{35} =$

d)  $\frac{1}{6} : \frac{16}{27} =$

③ a)  $\frac{7}{8} : \frac{9}{10} =$

b)  $\frac{5}{14} : \frac{1}{14} =$

c)  $\frac{14}{31} : \frac{2}{5} =$

d)  $\frac{1}{12} : \frac{5}{36} =$

④ a)  $\frac{5}{34} : \frac{1}{16} =$

b)  $\frac{5}{19} : \frac{3}{19} =$

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

d)  $\frac{2}{11} : \frac{8}{9} =$

⑤ a)  $\frac{10}{27} : \frac{1}{6} =$

b)  $\frac{1}{2} : \frac{11}{26} =$

c)  $\frac{1}{10} : \frac{8}{45} =$

d)  $\frac{5}{16} : \frac{1}{16} =$

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

- ① a)  $\frac{1}{24} : \frac{1}{12} = \frac{1}{24} \cdot \frac{12}{1} = \frac{1 \cdot 12}{24 \cdot 1} = \frac{12}{24} = \frac{1}{2}$       b)  $\frac{6}{17} : \frac{4}{5} = \frac{6}{17} \cdot \frac{5}{4} = \frac{3 \cdot 5}{17 \cdot 2} = \frac{15}{34}$
- c)  $\frac{22}{29} : \frac{2}{3} = \frac{22}{29} \cdot \frac{3}{2} = \frac{11 \cdot 3}{29 \cdot 1} = 1 \frac{4}{29}$       d)  $\frac{3}{4} : \frac{9}{26} = \frac{3}{4} \cdot \frac{26}{9} = \frac{1 \cdot 13}{2 \cdot 3} = 2 \frac{1}{6}$
- ② a)  $\frac{1}{13} : \frac{7}{39} = \frac{1}{13} \cdot \frac{39}{7} = \frac{1 \cdot 3}{1 \cdot 7} = \frac{3}{7}$       b)  $\frac{5}{22} : \frac{3}{20} = \frac{5}{22} \cdot \frac{20}{3} = \frac{5 \cdot 10}{11 \cdot 3} = 1 \frac{17}{33}$
- c)  $\frac{1}{5} : \frac{1}{35} = \frac{1}{5} \cdot \frac{35}{1} = \frac{1 \cdot 7}{1 \cdot 1} = 7$       d)  $\frac{1}{6} : \frac{16}{27} = \frac{1}{6} \cdot \frac{27}{16} = \frac{1 \cdot 9}{2 \cdot 16} = \frac{9}{32}$
- ③ a)  $\frac{7}{8} : \frac{9}{10} = \frac{7}{8} \cdot \frac{10}{9} = \frac{7 \cdot 5}{4 \cdot 9} = \frac{35}{36}$       b)  $\frac{5}{14} : \frac{1}{14} = \frac{5}{14} \cdot \frac{14}{1} = \frac{5 \cdot 1}{1 \cdot 1} = 5$
- c)  $\frac{14}{31} : \frac{2}{5} = \frac{14}{31} \cdot \frac{5}{2} = \frac{7 \cdot 5}{31 \cdot 1} = 1 \frac{4}{31}$       d)  $\frac{1}{12} : \frac{5}{36} = \frac{1}{12} \cdot \frac{36}{5} = \frac{1 \cdot 3}{1 \cdot 5} = \frac{3}{5}$
- ④ a)  $\frac{5}{34} : \frac{1}{16} = \frac{5}{34} \cdot \frac{16}{1} = \frac{5 \cdot 8}{17 \cdot 1} = 2 \frac{6}{17}$       b)  $\frac{5}{19} : \frac{3}{19} = \frac{5}{19} \cdot \frac{19}{3} = \frac{5 \cdot 1}{1 \cdot 3} = 1 \frac{2}{3}$
- 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)  $\frac{2}{11} : \frac{8}{9} = \frac{2}{11} \cdot \frac{9}{8} = \frac{1 \cdot 9}{11 \cdot 4} = \frac{9}{44}$
- ⑤ a)  $\frac{10}{27} : \frac{1}{6} = \frac{10}{27} \cdot \frac{6}{1} = \frac{10 \cdot 2}{9 \cdot 1} = 2 \frac{2}{9}$       b)  $\frac{1}{2} : \frac{11}{26} = \frac{1}{2} \cdot \frac{26}{11} = \frac{1 \cdot 13}{1 \cdot 11} = 1 \frac{2}{11}$
- c)  $\frac{1}{10} : \frac{8}{45} = \frac{1}{10} \cdot \frac{45}{8} = \frac{1 \cdot 9}{2 \cdot 8} = \frac{9}{16}$       d)  $\frac{5}{16} : \frac{1}{16} = \frac{5}{16} \cdot \frac{16}{1} = \frac{5 \cdot 1}{1 \cdot 1} = 5$