

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

① a)  $\frac{1}{33} : \frac{2}{11} =$

b)  $\frac{3}{16} : \frac{3}{10} =$

c)  $\frac{3}{4} : \frac{18}{29} =$

d)  $\frac{1}{2} : \frac{1}{6} =$

② a)  $\frac{1}{3} : \frac{13}{24} =$

b)  $\frac{6}{17} : \frac{2}{9} =$

c)  $\frac{3}{26} : \frac{3}{32} =$

d)  $\frac{1}{7} : \frac{5}{14} =$

③ a)  $\frac{2}{11} : \frac{8}{19} =$

b)  $\frac{11}{16} : \frac{1}{8} =$

c)  $\frac{6}{41} : \frac{2}{15} =$

d)  $\frac{1}{18} : \frac{3}{40} =$

④ a)  $\frac{4}{7} : \frac{4}{13} =$

b)  $\frac{7}{9} : \frac{7}{9} =$

c)  $\frac{3}{31} : \frac{3}{11} =$

d)  $\frac{1}{3} : \frac{5}{27} =$

⑤ a)  $\frac{15}{44} : \frac{1}{4} =$

b)  $\frac{1}{2} : \frac{19}{36} =$

c)  $\frac{1}{10} : \frac{3}{25} =$

d)  $\frac{4}{5} : \frac{8}{17} =$

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

- ① a)  $\frac{1}{33} : \frac{2}{11} = \frac{1}{33} \cdot \frac{11}{2} = \frac{1 \cdot 11}{33 \cdot 2} = \frac{1 \cdot 1}{3 \cdot 2} = \frac{1}{6}$       b)  $\frac{3}{16} : \frac{3}{10} = \frac{3}{16} \cdot \frac{10}{3} = \frac{1 \cdot 5}{8 \cdot 1} = \frac{5}{8}$
- c)  $\frac{3}{4} : \frac{18}{29} = \frac{3}{4} \cdot \frac{29}{18} = \frac{1 \cdot 29}{4 \cdot 6} = 1 \frac{5}{24}$       d)  $\frac{1}{2} : \frac{1}{6} = \frac{1}{2} \cdot \frac{6}{1} = \frac{1 \cdot 3}{1 \cdot 1} = 3$
- ② a)  $\frac{1}{3} : \frac{13}{24} = \frac{1}{3} \cdot \frac{24}{13} = \frac{1 \cdot 8}{1 \cdot 13} = \frac{8}{13}$       b)  $\frac{6}{17} : \frac{2}{9} = \frac{6}{17} \cdot \frac{9}{2} = \frac{3 \cdot 9}{17 \cdot 1} = 1 \frac{10}{17}$
- c)  $\frac{3}{26} : \frac{3}{32} = \frac{3}{26} \cdot \frac{32}{3} = \frac{1 \cdot 16}{13 \cdot 1} = 1 \frac{3}{13}$       d)  $\frac{1}{7} : \frac{5}{14} = \frac{1}{7} \cdot \frac{14}{5} = \frac{1 \cdot 2}{1 \cdot 5} = \frac{2}{5}$
- ③ a)  $\frac{2}{11} : \frac{8}{19} = \frac{2}{11} \cdot \frac{19}{8} = \frac{1 \cdot 19}{11 \cdot 4} = \frac{19}{44}$       b)  $\frac{11}{16} : \frac{1}{8} = \frac{11}{16} \cdot \frac{8}{1} = \frac{11 \cdot 1}{2 \cdot 1} = 5 \frac{1}{2}$
- c)  $\frac{6}{41} : \frac{2}{15} = \frac{6}{41} \cdot \frac{15}{2} = \frac{3 \cdot 15}{41 \cdot 1} = 1 \frac{4}{41}$       d)  $\frac{1}{18} : \frac{3}{40} = \frac{1}{18} \cdot \frac{40}{3} = \frac{1 \cdot 20}{9 \cdot 3} = \frac{20}{27}$
- ④ a)  $\frac{4}{7} : \frac{4}{13} = \frac{4}{7} \cdot \frac{13}{4} = \frac{1 \cdot 13}{7 \cdot 1} = 1 \frac{6}{7}$       b)  $\frac{7}{9} : \frac{7}{9} = \frac{7}{9} \cdot \frac{9}{7} = \frac{1 \cdot 1}{1 \cdot 1} = 1$
- c)  $\frac{3}{31} : \frac{3}{11} = \frac{3}{31} \cdot \frac{11}{3} = \frac{1 \cdot 11}{31 \cdot 1} = \frac{11}{31}$       d)  $\frac{1}{3} : \frac{5}{27} = \frac{1}{3} \cdot \frac{27}{5} = \frac{1 \cdot 9}{1 \cdot 5} = 1 \frac{4}{5}$
- ⑤ a)  $\frac{15}{44} : \frac{1}{4} = \frac{15}{44} \cdot \frac{4}{1} = \frac{15 \cdot 1}{11 \cdot 1} = 1 \frac{4}{11}$       b)  $\frac{1}{2} : \frac{19}{36} = \frac{1}{2} \cdot \frac{36}{19} = \frac{1 \cdot 18}{1 \cdot 19} = \frac{18}{19}$
- c)  $\frac{1}{10} : \frac{3}{25} = \frac{1}{10} \cdot \frac{25}{3} = \frac{1 \cdot 5}{2 \cdot 3} = \frac{5}{6}$       d)  $\frac{4}{5} : \frac{8}{17} = \frac{4}{5} \cdot \frac{17}{8} = \frac{1 \cdot 17}{5 \cdot 2} = 1 \frac{7}{10}$