

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

① a)  $\frac{14}{41} : \frac{2}{3} =$

b)  $\frac{1}{18} : \frac{4}{15} =$

c)  $\frac{13}{16} : \frac{1}{6} =$

d)  $\frac{4}{37} : \frac{2}{21} =$

② a)  $\frac{2}{19} : \frac{4}{5} =$

b)  $\frac{8}{35} : \frac{1}{7} =$

c)  $\frac{7}{26} : \frac{3}{13} =$

d)  $\frac{3}{8} : \frac{9}{23} =$

③ a)  $\frac{8}{27} : \frac{1}{12} =$

b)  $\frac{2}{33} : \frac{2}{39} =$

c)  $\frac{2}{7} : \frac{3}{7} =$

d)  $\frac{1}{22} : \frac{1}{22} =$

④ a)  $\frac{7}{8} : \frac{5}{8} =$

b)  $\frac{7}{32} : \frac{3}{10} =$

c)  $\frac{5}{34} : \frac{1}{6} =$

d)  $\frac{2}{5} : \frac{10}{37} =$

⑤ a)  $\frac{2}{11} : \frac{2}{17} =$

b)  $\frac{1}{24} : \frac{3}{26} =$

c)  $\frac{1}{2} : \frac{25}{34} =$

d)  $\frac{2}{3} : \frac{17}{27} =$

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

- ① a)  $\frac{14}{41} : \frac{2}{3} = \frac{14}{41} \cdot \frac{3}{2} = \frac{7 \cdot 3}{41 \cdot 1} = \frac{21}{41}$       b)  $\frac{1}{18} : \frac{4}{15} = \frac{1}{18} \cdot \frac{15}{4} = \frac{1 \cdot 5}{6 \cdot 4} = \frac{5}{24}$
- c)  $\frac{13}{16} : \frac{1}{6} = \frac{13}{16} \cdot \frac{6}{1} = \frac{13 \cdot 3}{8 \cdot 1} = 4 \frac{7}{8}$       d)  $\frac{4}{37} : \frac{2}{21} = \frac{4}{37} \cdot \frac{21}{2} = \frac{2 \cdot 21}{37 \cdot 1} = 1 \frac{5}{37}$
- ② a)  $\frac{2}{19} : \frac{4}{5} = \frac{2}{19} \cdot \frac{5}{4} = \frac{1 \cdot 5}{19 \cdot 2} = \frac{5}{38}$       b)  $\frac{8}{35} : \frac{1}{7} = \frac{8}{35} \cdot \frac{7}{1} = \frac{8 \cdot 1}{5 \cdot 1} = 1 \frac{3}{5}$
- c)  $\frac{7}{26} : \frac{3}{13} = \frac{7}{26} \cdot \frac{13}{3} = \frac{7 \cdot 1}{2 \cdot 3} = 1 \frac{1}{6}$       d)  $\frac{3}{8} : \frac{9}{23} = \frac{3}{8} \cdot \frac{23}{9} = \frac{1 \cdot 23}{8 \cdot 3} = \frac{23}{24}$
- ③ a)  $\frac{8}{27} : \frac{1}{12} = \frac{8}{27} \cdot \frac{12}{1} = \frac{8 \cdot 4}{9 \cdot 1} = 3 \frac{5}{9}$       b)  $\frac{2}{33} : \frac{2}{39} = \frac{2}{33} \cdot \frac{39}{2} = \frac{1 \cdot 13}{11 \cdot 1} = 1 \frac{2}{11}$
- c)  $\frac{2}{7} : \frac{3}{7} = \frac{2}{7} \cdot \frac{7}{3} = \frac{2 \cdot 1}{1 \cdot 3} = \frac{2}{3}$       d)  $\frac{1}{22} : \frac{1}{22} = \frac{1}{22} \cdot \frac{22}{1} = \frac{1 \cdot 1}{1 \cdot 1} = 1$
- ④ a)  $\frac{7}{8} : \frac{5}{8} = \frac{7}{8} \cdot \frac{8}{5} = \frac{7 \cdot 1}{1 \cdot 5} = 1 \frac{2}{5}$       b)  $\frac{7}{32} : \frac{3}{10} = \frac{7}{32} \cdot \frac{10}{3} = \frac{7 \cdot 5}{16 \cdot 3} = \frac{35}{48}$
- c)  $\frac{5}{34} : \frac{1}{6} = \frac{5}{34} \cdot \frac{6}{1} = \frac{5 \cdot 3}{17 \cdot 1} = \frac{15}{17}$       d)  $\frac{2}{5} : \frac{10}{37} = \frac{2}{5} \cdot \frac{37}{10} = \frac{1 \cdot 37}{5 \cdot 5} = 1 \frac{12}{25}$
- ⑤ a)  $\frac{2}{11} : \frac{2}{17} = \frac{2}{11} \cdot \frac{17}{2} = \frac{1 \cdot 17}{11 \cdot 1} = 1 \frac{6}{11}$       b)  $\frac{1}{24} : \frac{3}{26} = \frac{1}{24} \cdot \frac{26}{3} = \frac{1 \cdot 13}{12 \cdot 3} = \frac{13}{36}$
- c)  $\frac{1}{2} : \frac{25}{34} = \frac{1}{2} \cdot \frac{34}{25} = \frac{1 \cdot 17}{1 \cdot 25} = \frac{17}{25}$       d)  $\frac{2}{3} : \frac{17}{27} = \frac{2}{3} \cdot \frac{27}{17} = \frac{2 \cdot 9}{1 \cdot 17} = 1 \frac{1}{17}$