

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

① a)  $\frac{2}{35} : \frac{2}{39} =$

b)  $\frac{3}{7} : \frac{1}{7} =$

c)  $\frac{1}{14} : \frac{7}{10} =$

d)  $\frac{2}{3} : \frac{6}{41} =$

② a)  $\frac{5}{22} : \frac{2}{11} =$

b)  $\frac{2}{13} : \frac{4}{23} =$

c)  $\frac{7}{40} : \frac{1}{4} =$

d)  $\frac{8}{33} : \frac{2}{9} =$

③ a)  $\frac{6}{19} : \frac{3}{14} =$

b)  $\frac{1}{18} : \frac{5}{24} =$

c)  $\frac{2}{15} : \frac{2}{31} =$

d)  $\frac{1}{27} : \frac{1}{36} =$

④ a)  $\frac{1}{12} : \frac{7}{22} =$

b)  $\frac{10}{41} : \frac{2}{3} =$

c)  $\frac{5}{9} : \frac{4}{15} =$

d)  $\frac{2}{7} : \frac{8}{37} =$

⑤ a)  $\frac{3}{11} : \frac{9}{16} =$

b)  $\frac{1}{35} : \frac{2}{25} =$

c)  $\frac{7}{18} : \frac{1}{8} =$

d)  $\frac{4}{7} : \frac{6}{19} =$

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

- ① a)  $\frac{2}{35} : \frac{2}{39} = \frac{2}{35} \cdot \frac{39}{2} = \frac{1 \cdot 39}{35 \cdot 1} = 1 \frac{4}{35}$       b)  $\frac{3}{7} : \frac{1}{7} = \frac{3}{7} \cdot \frac{7}{1} = \frac{3 \cdot 1}{1 \cdot 1} = 3$
- c)  $\frac{1}{14} : \frac{7}{10} = \frac{1}{14} \cdot \frac{10}{7} = \frac{1 \cdot 5}{7 \cdot 7} = \frac{5}{49}$       d)  $\frac{2}{3} : \frac{6}{41} = \frac{2}{3} \cdot \frac{41}{6} = \frac{1 \cdot 41}{3 \cdot 3} = 4 \frac{5}{9}$
- ② a)  $\frac{5}{22} : \frac{2}{11} = \frac{5}{22} \cdot \frac{11}{2} = \frac{5 \cdot 1}{2 \cdot 2} = 1 \frac{1}{4}$       b)  $\frac{2}{13} : \frac{4}{23} = \frac{2}{13} \cdot \frac{23}{4} = \frac{1 \cdot 23}{13 \cdot 2} = \frac{23}{26}$
- c)  $\frac{7}{40} : \frac{1}{4} = \frac{7}{40} \cdot \frac{4}{1} = \frac{7 \cdot 1}{10 \cdot 1} = \frac{7}{10}$       d)  $\frac{8}{33} : \frac{2}{9} = \frac{8}{33} \cdot \frac{9}{2} = \frac{4 \cdot 3}{11 \cdot 1} = 1 \frac{1}{11}$
- ③ a)  $\frac{6}{19} : \frac{3}{14} = \frac{6}{19} \cdot \frac{14}{3} = \frac{2 \cdot 14}{19 \cdot 1} = 1 \frac{9}{19}$       b)  $\frac{1}{18} : \frac{5}{24} = \frac{1}{18} \cdot \frac{24}{5} = \frac{1 \cdot 4}{3 \cdot 5} = \frac{4}{15}$
- c)  $\frac{2}{15} : \frac{2}{31} = \frac{2}{15} \cdot \frac{31}{2} = \frac{1 \cdot 31}{15 \cdot 1} = 2 \frac{1}{15}$       d)  $\frac{1}{27} : \frac{1}{36} = \frac{1}{27} \cdot \frac{36}{1} = \frac{1 \cdot 4}{3 \cdot 1} = 1 \frac{1}{3}$
- ④ a)  $\frac{1}{12} : \frac{7}{22} = \frac{1}{12} \cdot \frac{22}{7} = \frac{1 \cdot 11}{6 \cdot 7} = \frac{11}{42}$       b)  $\frac{10}{41} : \frac{2}{3} = \frac{10}{41} \cdot \frac{3}{2} = \frac{5 \cdot 3}{41 \cdot 1} = \frac{15}{41}$
- c)  $\frac{5}{9} : \frac{4}{15} = \frac{5}{9} \cdot \frac{15}{4} = \frac{5 \cdot 5}{3 \cdot 4} = 2 \frac{1}{12}$       d)  $\frac{2}{7} : \frac{8}{37} = \frac{2}{7} \cdot \frac{37}{8} = \frac{1 \cdot 37}{7 \cdot 4} = 1 \frac{9}{28}$
- ⑤ a)  $\frac{3}{11} : \frac{9}{16} = \frac{3}{11} \cdot \frac{16}{9} = \frac{1 \cdot 16}{11 \cdot 3} = \frac{16}{33}$       b)  $\frac{1}{35} : \frac{2}{25} = \frac{1}{35} \cdot \frac{25}{2} = \frac{1 \cdot 5}{7 \cdot 2} = \frac{5}{14}$
- c)  $\frac{7}{18} : \frac{1}{8} = \frac{7}{18} \cdot \frac{8}{1} = \frac{7 \cdot 4}{9 \cdot 1} = 3 \frac{1}{9}$       d)  $\frac{4}{7} : \frac{6}{19} = \frac{4}{7} \cdot \frac{19}{6} = \frac{2 \cdot 19}{7 \cdot 3} = 1 \frac{17}{21}$