

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

① a)  $\frac{3}{28} : \frac{3}{32} =$

b)  $\frac{5}{14} : \frac{7}{18} =$

c)  $\frac{2}{35} : \frac{1}{40} =$

d)  $\frac{3}{5} : \frac{9}{22} =$

② a)  $\frac{1}{6} : \frac{5}{27} =$

b)  $\frac{3}{8} : \frac{11}{28} =$

c)  $\frac{5}{18} : \frac{3}{16} =$

d)  $\frac{2}{37} : \frac{2}{45} =$

③ a)  $\frac{2}{15} : \frac{6}{43} =$

b)  $\frac{1}{5} : \frac{9}{20} =$

c)  $\frac{5}{12} : \frac{5}{13} =$

d)  $\frac{3}{44} : \frac{1}{26} =$

④ a)  $\frac{5}{14} : \frac{7}{16} =$

b)  $\frac{3}{29} : \frac{3}{22} =$

c)  $\frac{7}{11} : \frac{5}{11} =$

d)  $\frac{4}{25} : \frac{1}{15} =$

⑤ a)  $\frac{1}{6} : \frac{11}{26} =$

b)  $\frac{2}{3} : \frac{25}{42} =$

c)  $\frac{5}{9} : \frac{5}{17} =$

d)  $\frac{1}{10} : \frac{8}{25} =$

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

- ① a)  $\frac{3}{28} : \frac{3}{32} = \frac{3}{28} \cdot \frac{32}{3} = \frac{1 \cdot 8}{7 \cdot 1} = 1 \frac{1}{7}$       b)  $\frac{5}{14} : \frac{7}{18} = \frac{5}{14} \cdot \frac{18}{7} = \frac{5 \cdot 9}{7 \cdot 7} = \frac{45}{49}$
- c)  $\frac{2}{35} : \frac{1}{40} = \frac{2}{35} \cdot \frac{40}{1} = \frac{2 \cdot 8}{7 \cdot 1} = 2 \frac{2}{7}$       d)  $\frac{3}{5} : \frac{9}{22} = \frac{3}{5} \cdot \frac{22}{9} = \frac{1 \cdot 22}{5 \cdot 3} = 1 \frac{7}{15}$
- ② a)  $\frac{1}{6} : \frac{5}{27} = \frac{1}{6} \cdot \frac{27}{5} = \frac{1 \cdot 9}{2 \cdot 5} = \frac{9}{10}$       b)  $\frac{3}{8} : \frac{11}{28} = \frac{3}{8} \cdot \frac{28}{11} = \frac{3 \cdot 7}{2 \cdot 11} = \frac{21}{22}$
- c)  $\frac{5}{18} : \frac{3}{16} = \frac{5}{18} \cdot \frac{16}{3} = \frac{5 \cdot 8}{9 \cdot 3} = 1 \frac{13}{27}$       d)  $\frac{2}{37} : \frac{2}{45} = \frac{2}{37} \cdot \frac{45}{2} = \frac{1 \cdot 45}{37 \cdot 1} = 1 \frac{8}{37}$
- ③ a)  $\frac{2}{15} : \frac{6}{43} = \frac{2}{15} \cdot \frac{43}{6} = \frac{1 \cdot 43}{15 \cdot 3} = \frac{43}{45}$       b)  $\frac{1}{5} : \frac{9}{20} = \frac{1}{5} \cdot \frac{20}{9} = \frac{1 \cdot 4}{1 \cdot 9} = \frac{4}{9}$
- c)  $\frac{5}{12} : \frac{5}{13} = \frac{5}{12} \cdot \frac{13}{5} = \frac{1 \cdot 13}{12 \cdot 1} = 1 \frac{1}{12}$       d)  $\frac{3}{44} : \frac{1}{26} = \frac{3}{44} \cdot \frac{26}{1} = \frac{3 \cdot 13}{22 \cdot 1} = 1 \frac{17}{22}$
- ④ a)  $\frac{5}{14} : \frac{7}{16} = \frac{5}{14} \cdot \frac{16}{7} = \frac{5 \cdot 8}{7 \cdot 7} = \frac{40}{49}$       b)  $\frac{3}{29} : \frac{3}{22} = \frac{3}{29} \cdot \frac{22}{3} = \frac{1 \cdot 22}{29 \cdot 1} = \frac{22}{29}$
- c)  $\frac{7}{11} : \frac{5}{11} = \frac{7}{11} \cdot \frac{11}{5} = \frac{7 \cdot 1}{1 \cdot 5} = 1 \frac{2}{5}$       d)  $\frac{4}{25} : \frac{1}{15} = \frac{4}{25} \cdot \frac{15}{1} = \frac{4 \cdot 3}{5 \cdot 1} = 2 \frac{2}{5}$
- ⑤ a)  $\frac{1}{6} : \frac{11}{26} = \frac{1}{6} \cdot \frac{26}{11} = \frac{1 \cdot 13}{3 \cdot 11} = \frac{13}{33}$       b)  $\frac{2}{3} : \frac{25}{42} = \frac{2}{3} \cdot \frac{42}{25} = \frac{2 \cdot 14}{1 \cdot 25} = 1 \frac{3}{25}$
- c)  $\frac{5}{9} : \frac{5}{17} = \frac{5}{9} \cdot \frac{17}{5} = \frac{1 \cdot 17}{9 \cdot 1} = 1 \frac{8}{9}$       d)  $\frac{1}{10} : \frac{8}{25} = \frac{1}{10} \cdot \frac{25}{8} = \frac{1 \cdot 5}{2 \cdot 8} = \frac{5}{16}$