

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

① a)  $\frac{29}{30} : \frac{1}{2} =$

b)  $\frac{1}{8} : \frac{9}{26} =$

c)  $\frac{3}{4} : \frac{23}{28} =$

d)  $\frac{2}{9} : \frac{4}{41} =$

② a)  $\frac{3}{38} : \frac{1}{24} =$

b)  $\frac{1}{18} : \frac{3}{26} =$

c)  $\frac{2}{13} : \frac{4}{19} =$

d)  $\frac{1}{14} : \frac{1}{20} =$

③ a)  $\frac{11}{35} : \frac{2}{7} =$

b)  $\frac{3}{31} : \frac{3}{22} =$

c)  $\frac{2}{11} : \frac{8}{23} =$

d)  $\frac{18}{25} : \frac{1}{5} =$

④ a)  $\frac{10}{19} : \frac{4}{9} =$

b)  $\frac{1}{8} : \frac{5}{22} =$

c)  $\frac{1}{28} : \frac{1}{28} =$

d)  $\frac{3}{10} : \frac{3}{29} =$

⑤ a)  $\frac{8}{25} : \frac{4}{7} =$

b)  $\frac{7}{9} : \frac{7}{8} =$

c)  $\frac{2}{15} : \frac{3}{40} =$

d)  $\frac{3}{5} : \frac{9}{19} =$

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

- ① a)  $\frac{29}{30} : \frac{1}{2} = \frac{29}{30} \cdot \frac{2}{1} = \frac{29 \cdot 2}{15 \cdot 1} = 1 \frac{14}{15}$       b)  $\frac{1}{8} : \frac{9}{26} = \frac{1}{8} \cdot \frac{26}{9} = \frac{1 \cdot 13}{4 \cdot 9} = \frac{13}{36}$
- c)  $\frac{3}{4} : \frac{23}{28} = \frac{3}{4} \cdot \frac{28}{23} = \frac{3 \cdot 7}{1 \cdot 23} = \frac{21}{23}$       d)  $\frac{2}{9} : \frac{4}{41} = \frac{2}{9} \cdot \frac{41}{4} = \frac{1 \cdot 41}{9 \cdot 2} = 2 \frac{5}{18}$
- ② a)  $\frac{3}{38} : \frac{1}{24} = \frac{3}{38} \cdot \frac{24}{1} = \frac{3 \cdot 12}{19 \cdot 1} = 1 \frac{17}{19}$       b)  $\frac{1}{18} : \frac{3}{26} = \frac{1}{18} \cdot \frac{26}{3} = \frac{1 \cdot 13}{9 \cdot 3} = \frac{13}{27}$
- c)  $\frac{2}{13} : \frac{4}{19} = \frac{2}{13} \cdot \frac{19}{4} = \frac{1 \cdot 19}{13 \cdot 2} = \frac{19}{26}$       d)  $\frac{1}{14} : \frac{1}{20} = \frac{1}{14} \cdot \frac{20}{1} = \frac{1 \cdot 10}{7 \cdot 1} = 1 \frac{3}{7}$
- ③ a)  $\frac{11}{35} : \frac{2}{7} = \frac{11}{35} \cdot \frac{7}{2} = \frac{11 \cdot 1}{5 \cdot 2} = 1 \frac{1}{10}$       b)  $\frac{3}{31} : \frac{3}{22} = \frac{3}{31} \cdot \frac{22}{3} = \frac{1 \cdot 22}{31 \cdot 1} = \frac{22}{31}$
- c)  $\frac{2}{11} : \frac{8}{23} = \frac{2}{11} \cdot \frac{23}{8} = \frac{1 \cdot 23}{11 \cdot 4} = \frac{23}{44}$       d)  $\frac{18}{25} : \frac{1}{5} = \frac{18}{25} \cdot \frac{5}{1} = \frac{18 \cdot 1}{5 \cdot 1} = 3 \frac{3}{5}$
- ④ a)  $\frac{10}{19} : \frac{4}{9} = \frac{10}{19} \cdot \frac{9}{4} = \frac{5 \cdot 9}{19 \cdot 2} = 1 \frac{7}{38}$       b)  $\frac{1}{8} : \frac{5}{22} = \frac{1}{8} \cdot \frac{22}{5} = \frac{1 \cdot 11}{4 \cdot 5} = \frac{11}{20}$
- c)  $\frac{1}{28} : \frac{1}{28} = \frac{1}{28} \cdot \frac{28}{1} = \frac{1 \cdot 1}{1 \cdot 1} = 1$       d)  $\frac{3}{10} : \frac{3}{29} = \frac{3}{10} \cdot \frac{29}{3} = \frac{1 \cdot 29}{10 \cdot 1} = 2 \frac{9}{10}$
- ⑤ a)  $\frac{8}{25} : \frac{4}{7} = \frac{8}{25} \cdot \frac{7}{4} = \frac{2 \cdot 7}{25 \cdot 1} = \frac{14}{25}$       b)  $\frac{7}{9} : \frac{7}{8} = \frac{7}{9} \cdot \frac{8}{7} = \frac{1 \cdot 8}{9 \cdot 1} = \frac{8}{9}$
- c)  $\frac{2}{15} : \frac{3}{40} = \frac{2}{15} \cdot \frac{40}{3} = \frac{2 \cdot 8}{3 \cdot 3} = 1 \frac{7}{9}$       d)  $\frac{3}{5} : \frac{9}{19} = \frac{3}{5} \cdot \frac{19}{9} = \frac{1 \cdot 19}{5 \cdot 3} = 1 \frac{4}{15}$