

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

① a)  $\frac{2}{29} : \frac{3}{29} =$

b)  $\frac{1}{30} : \frac{2}{45} =$

c)  $\frac{5}{6} : \frac{9}{14} =$

d)  $\frac{3}{22} : \frac{1}{28} =$

② a)  $\frac{1}{3} : \frac{25}{36} =$

b)  $\frac{2}{15} : \frac{5}{12} =$

c)  $\frac{3}{8} : \frac{1}{26} =$

d)  $\frac{1}{11} : \frac{3}{44} =$

③ a)  $\frac{2}{7} : \frac{14}{19} =$

b)  $\frac{1}{6} : \frac{11}{24} =$

c)  $\frac{4}{5} : \frac{17}{25} =$

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

④ a)  $\frac{8}{23} : \frac{2}{3} =$

b)  $\frac{1}{10} : \frac{3}{16} =$

c)  $\frac{5}{14} : \frac{5}{14} =$

d)  $\frac{2}{11} : \frac{6}{41} =$

⑤ a)  $\frac{2}{25} : \frac{4}{23} =$

b)  $\frac{3}{20} : \frac{5}{32} =$

c)  $\frac{3}{8} : \frac{1}{24} =$

d)  $\frac{5}{12} : \frac{4}{15} =$

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

- ① a)  $\frac{2}{29} : \frac{3}{29} = \frac{2}{29} \cdot \frac{29}{3} = \frac{2 \cdot 1}{1 \cdot 3} = \frac{2}{3}$       b)  $\frac{1}{30} : \frac{2}{45} = \frac{1}{30} \cdot \frac{45}{2} = \frac{1 \cdot 3}{2 \cdot 2} = \frac{3}{4}$
- c)  $\frac{5}{6} : \frac{9}{14} = \frac{5}{6} \cdot \frac{14}{9} = \frac{5 \cdot 7}{3 \cdot 9} = 1 \frac{8}{27}$       d)  $\frac{3}{22} : \frac{1}{28} = \frac{3}{22} \cdot \frac{28}{1} = \frac{3 \cdot 14}{11 \cdot 1} = 3 \frac{9}{11}$
- ② a)  $\frac{1}{3} : \frac{25}{36} = \frac{1}{3} \cdot \frac{36}{25} = \frac{1 \cdot 12}{1 \cdot 25} = \frac{12}{25}$       b)  $\frac{2}{15} : \frac{5}{12} = \frac{2}{15} \cdot \frac{12}{5} = \frac{2 \cdot 4}{5 \cdot 5} = \frac{8}{25}$
- c)  $\frac{3}{8} : \frac{1}{26} = \frac{3}{8} \cdot \frac{26}{1} = \frac{3 \cdot 13}{4 \cdot 1} = 9 \frac{3}{4}$       d)  $\frac{1}{11} : \frac{3}{44} = \frac{1}{11} \cdot \frac{44}{3} = \frac{1 \cdot 4}{1 \cdot 3} = 1 \frac{1}{3}$
- ③ a)  $\frac{2}{7} : \frac{14}{19} = \frac{2}{7} \cdot \frac{19}{14} = \frac{1 \cdot 19}{7 \cdot 7} = \frac{19}{49}$       b)  $\frac{1}{6} : \frac{11}{24} = \frac{1}{6} \cdot \frac{24}{11} = \frac{1 \cdot 4}{1 \cdot 11} = \frac{4}{11}$
- c)  $\frac{4}{5} : \frac{17}{25} = \frac{4}{5} \cdot \frac{25}{17} = \frac{4 \cdot 5}{1 \cdot 17} = 1 \frac{3}{17}$       d)  $\frac{19}{36} : \frac{1}{2} = \frac{19}{36} \cdot \frac{2}{1} = \frac{19 \cdot 1}{18 \cdot 1} = 1 \frac{1}{18}$
- ④ a)  $\frac{8}{23} : \frac{2}{3} = \frac{8}{23} \cdot \frac{3}{2} = \frac{4 \cdot 3}{23 \cdot 1} = \frac{12}{23}$       b)  $\frac{1}{10} : \frac{3}{16} = \frac{1}{10} \cdot \frac{16}{3} = \frac{1 \cdot 8}{5 \cdot 3} = \frac{8}{15}$
- c)  $\frac{5}{14} : \frac{5}{14} = \frac{5}{14} \cdot \frac{14}{5} = \frac{1 \cdot 1}{1 \cdot 1} = 1$       d)  $\frac{2}{11} : \frac{6}{41} = \frac{2}{11} \cdot \frac{41}{6} = \frac{1 \cdot 41}{11 \cdot 3} = 1 \frac{8}{33}$
- ⑤ a)  $\frac{2}{25} : \frac{4}{23} = \frac{2}{25} \cdot \frac{23}{4} = \frac{1 \cdot 23}{25 \cdot 2} = \frac{23}{50}$       b)  $\frac{3}{20} : \frac{5}{32} = \frac{3}{20} \cdot \frac{32}{5} = \frac{3 \cdot 8}{5 \cdot 5} = \frac{24}{25}$
- c)  $\frac{3}{8} : \frac{1}{24} = \frac{3}{8} \cdot \frac{24}{1} = \frac{3 \cdot 3}{1 \cdot 1} = 9$       d)  $\frac{5}{12} : \frac{4}{15} = \frac{5}{12} \cdot \frac{15}{4} = \frac{5 \cdot 5}{4 \cdot 4} = 1 \frac{9}{16}$