

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

① a) $\frac{8}{43} : \frac{2}{3} =$

b) $\frac{15}{32} : \frac{3}{5} =$

c) $\frac{23}{26} : \frac{1}{4} =$

d) $\frac{14}{45} : \frac{2}{7} =$

② a) $\frac{1}{2} : \frac{25}{38} =$

b) $\frac{1}{6} : \frac{1}{10} =$

c) $\frac{3}{8} : \frac{5}{18} =$

d) $\frac{1}{3} : \frac{23}{42} =$

③ a) $\frac{3}{5} : \frac{1}{25} =$

b) $\frac{3}{7} : \frac{2}{21} =$

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

d) $\frac{9}{38} : \frac{1}{4} =$

④ a) $\frac{7}{16} : \frac{3}{10} =$

b) $\frac{1}{15} : \frac{2}{45} =$

c) $\frac{1}{2} : \frac{17}{20} =$

d) $\frac{1}{6} : \frac{13}{24} =$

⑤ a) $\frac{12}{29} : \frac{3}{8} =$

b) $\frac{2}{5} : \frac{6}{43} =$

c) $\frac{1}{11} : \frac{7}{33} =$

d) $\frac{2}{17} : \frac{4}{7} =$

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

- ① a) $\frac{8}{43} : \frac{2}{3} = \frac{8}{43} \cdot \frac{3}{2} = \frac{4 \cdot 3}{43 \cdot 1} = \frac{12}{43}$ b) $\frac{15}{32} : \frac{3}{5} = \frac{15}{32} \cdot \frac{5}{3} = \frac{5 \cdot 5}{32 \cdot 1} = \frac{25}{32}$
- c) $\frac{23}{26} : \frac{1}{4} = \frac{23}{26} \cdot \frac{4}{1} = \frac{23 \cdot 2}{13 \cdot 1} = 3 \frac{7}{13}$ d) $\frac{14}{45} : \frac{2}{7} = \frac{14}{45} \cdot \frac{7}{2} = \frac{7 \cdot 7}{45 \cdot 1} = 1 \frac{4}{45}$
- ② a) $\frac{1}{2} : \frac{25}{38} = \frac{1}{2} \cdot \frac{38}{25} = \frac{1 \cdot 19}{1 \cdot 25} = \frac{19}{25}$ b) $\frac{1}{6} : \frac{1}{10} = \frac{1}{6} \cdot \frac{10}{1} = \frac{1 \cdot 5}{3 \cdot 1} = 1 \frac{2}{3}$
- c) $\frac{3}{8} : \frac{5}{18} = \frac{3}{8} \cdot \frac{18}{5} = \frac{3 \cdot 9}{4 \cdot 5} = 1 \frac{7}{20}$ d) $\frac{1}{3} : \frac{23}{42} = \frac{1}{3} \cdot \frac{42}{23} = \frac{1 \cdot 14}{1 \cdot 23} = \frac{14}{23}$
- ③ a) $\frac{3}{5} : \frac{1}{25} = \frac{3}{5} \cdot \frac{25}{1} = \frac{3 \cdot 5}{1 \cdot 1} = 15$ b) $\frac{3}{7} : \frac{2}{21} = \frac{3}{7} \cdot \frac{21}{2} = \frac{3 \cdot 3}{1 \cdot 2} = 4 \frac{1}{2}$
- c) $\frac{1}{18} : \frac{5}{24} = \frac{1}{18} \cdot \frac{24}{5} = \frac{1 \cdot 4}{3 \cdot 5} = \frac{4}{15}$ d) $\frac{9}{38} : \frac{1}{4} = \frac{9}{38} \cdot \frac{4}{1} = \frac{9 \cdot 2}{19 \cdot 1} = \frac{18}{19}$
- ④ a) $\frac{7}{16} : \frac{3}{10} = \frac{7}{16} \cdot \frac{10}{3} = \frac{7 \cdot 5}{8 \cdot 3} = 1 \frac{11}{24}$ b) $\frac{1}{15} : \frac{2}{45} = \frac{1}{15} \cdot \frac{45}{2} = \frac{1 \cdot 3}{1 \cdot 2} = 1 \frac{1}{2}$
- c) $\frac{1}{2} : \frac{17}{20} = \frac{1}{2} \cdot \frac{20}{17} = \frac{1 \cdot 10}{1 \cdot 17} = \frac{10}{17}$ d) $\frac{1}{6} : \frac{13}{24} = \frac{1}{6} \cdot \frac{24}{13} = \frac{1 \cdot 4}{1 \cdot 13} = \frac{4}{13}$
- ⑤ a) $\frac{12}{29} : \frac{3}{8} = \frac{12}{29} \cdot \frac{8}{3} = \frac{4 \cdot 8}{29 \cdot 1} = 1 \frac{3}{29}$ b) $\frac{2}{5} : \frac{6}{43} = \frac{2}{5} \cdot \frac{43}{6} = \frac{1 \cdot 43}{5 \cdot 3} = 2 \frac{13}{15}$
- c) $\frac{1}{11} : \frac{7}{33} = \frac{1}{11} \cdot \frac{33}{7} = \frac{1 \cdot 3}{1 \cdot 7} = \frac{3}{7}$ d) $\frac{2}{17} : \frac{4}{7} = \frac{2}{17} \cdot \frac{7}{4} = \frac{1 \cdot 7}{17 \cdot 2} = \frac{7}{34}$