

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

① a) $\frac{15}{26} : \frac{3}{4} =$

b) $\frac{2}{19} : \frac{1}{19} =$

c) $\frac{2}{27} : \frac{2}{37} =$

d) $\frac{5}{12} : \frac{5}{8} =$

② a) $\frac{2}{9} : \frac{1}{39} =$

b) $\frac{2}{15} : \frac{2}{41} =$

c) $\frac{1}{4} : \frac{11}{34} =$

d) $\frac{5}{36} : \frac{1}{18} =$

③ a) $\frac{20}{43} : \frac{2}{5} =$

b) $\frac{4}{11} : \frac{6}{7} =$

c) $\frac{1}{3} : \frac{17}{39} =$

d) $\frac{3}{25} : \frac{1}{30} =$

④ a) $\frac{5}{9} : \frac{5}{17} =$

b) $\frac{1}{7} : \frac{9}{35} =$

c) $\frac{5}{6} : \frac{1}{15} =$

d) $\frac{4}{5} : \frac{7}{10} =$

⑤ a) $\frac{1}{4} : \frac{25}{28} =$

b) $\frac{2}{11} : \frac{8}{11} =$

c) $\frac{3}{35} : \frac{1}{30} =$

d) $\frac{4}{23} : \frac{2}{25} =$

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

- ① a) $\frac{15}{26} : \frac{3}{4} = \frac{15}{26} \cdot \frac{4}{3} = \frac{5 \cdot 2}{13 \cdot 1} = \frac{10}{13}$ b) $\frac{2}{19} : \frac{1}{19} = \frac{2}{19} \cdot \frac{19}{1} = \frac{2 \cdot 1}{1 \cdot 1} = 2$
- c) $\frac{2}{27} : \frac{2}{37} = \frac{2}{27} \cdot \frac{37}{2} = \frac{1 \cdot 37}{27 \cdot 1} = 1 \frac{10}{27}$ d) $\frac{5}{12} : \frac{5}{8} = \frac{5}{12} \cdot \frac{8}{5} = \frac{1 \cdot 2}{3 \cdot 1} = \frac{2}{3}$
- ② a) $\frac{2}{9} : \frac{1}{39} = \frac{2}{9} \cdot \frac{39}{1} = \frac{2 \cdot 13}{3 \cdot 1} = 8 \frac{2}{3}$ b) $\frac{2}{15} : \frac{2}{41} = \frac{2}{15} \cdot \frac{41}{2} = \frac{1 \cdot 41}{15 \cdot 1} = 2 \frac{11}{15}$
- c) $\frac{1}{4} : \frac{11}{34} = \frac{1}{4} \cdot \frac{34}{11} = \frac{1 \cdot 17}{2 \cdot 11} = \frac{17}{22}$ d) $\frac{5}{36} : \frac{1}{18} = \frac{5}{36} \cdot \frac{18}{1} = \frac{5 \cdot 1}{2 \cdot 1} = 2 \frac{1}{2}$
- ③ a) $\frac{20}{43} : \frac{2}{5} = \frac{20}{43} \cdot \frac{5}{2} = \frac{10 \cdot 5}{43 \cdot 1} = 1 \frac{7}{43}$ b) $\frac{4}{11} : \frac{6}{7} = \frac{4}{11} \cdot \frac{7}{6} = \frac{2 \cdot 7}{11 \cdot 3} = \frac{14}{33}$
- c) $\frac{1}{3} : \frac{17}{39} = \frac{1}{3} \cdot \frac{39}{17} = \frac{1 \cdot 13}{1 \cdot 17} = \frac{13}{17}$ d) $\frac{3}{25} : \frac{1}{30} = \frac{3}{25} \cdot \frac{30}{1} = \frac{3 \cdot 6}{5 \cdot 1} = 3 \frac{3}{5}$
- ④ a) $\frac{5}{9} : \frac{5}{17} = \frac{5}{9} \cdot \frac{17}{5} = \frac{1 \cdot 17}{9 \cdot 1} = 1 \frac{8}{9}$ b) $\frac{1}{7} : \frac{9}{35} = \frac{1}{7} \cdot \frac{35}{9} = \frac{1 \cdot 5}{1 \cdot 9} = \frac{5}{9}$
- c) $\frac{5}{6} : \frac{1}{15} = \frac{5}{6} \cdot \frac{15}{1} = \frac{5 \cdot 5}{2 \cdot 1} = 12 \frac{1}{2}$ d) $\frac{4}{5} : \frac{7}{10} = \frac{4}{5} \cdot \frac{10}{7} = \frac{4 \cdot 2}{1 \cdot 7} = 1 \frac{1}{7}$
- ⑤ a) $\frac{1}{4} : \frac{25}{28} = \frac{1}{4} \cdot \frac{28}{25} = \frac{1 \cdot 7}{1 \cdot 25} = \frac{7}{25}$ b) $\frac{2}{11} : \frac{8}{11} = \frac{2}{11} \cdot \frac{11}{8} = \frac{1 \cdot 1}{1 \cdot 4} = \frac{1}{4}$
- c) $\frac{3}{35} : \frac{1}{30} = \frac{3}{35} \cdot \frac{30}{1} = \frac{3 \cdot 6}{7 \cdot 1} = 2 \frac{4}{7}$ d) $\frac{4}{23} : \frac{2}{25} = \frac{4}{23} \cdot \frac{25}{2} = \frac{2 \cdot 25}{23 \cdot 1} = 2 \frac{4}{23}$