

# Ma Kl. 5a – Lösung (02.06. – 08.06.2020)

Erweitern

Lb. 5.10011

$$\begin{array}{ll} \text{a) } \frac{2}{3} = \frac{2 \cdot 2}{3 \cdot 2} = \frac{4}{6} & \frac{2}{3} = \frac{2 \cdot 3}{3 \cdot 3} = \frac{6}{9} \\ \frac{2}{3} = \frac{2 \cdot 4}{3 \cdot 4} = \frac{8}{12} & \frac{2}{3} = \frac{2 \cdot 5}{3 \cdot 5} = \frac{10}{15} \\ \frac{2}{3} = \frac{2 \cdot 6}{3 \cdot 6} = \frac{12}{18} & \frac{2}{3} = \frac{2 \cdot 10}{3 \cdot 10} = \frac{20}{30} \end{array}$$

Lb. 5.10012

$$\begin{array}{lll} \text{a) } \frac{5}{8} = \frac{3}{24} & \text{b) } \frac{3}{2} = \frac{36}{24} & \text{c) } \frac{3}{5} = \frac{12}{20} \\ \text{d) } \frac{7}{6} = \frac{42}{36} & & \end{array}$$

Lb. 5.10.115

$$\begin{array}{ll} \text{a) } \frac{1}{2} = \frac{1 \cdot 2}{2 \cdot 2} = \frac{2}{4} & \frac{1}{2} = \frac{1 \cdot 3}{2 \cdot 3} = \frac{3}{6} \\ \frac{1}{2} = \frac{1 \cdot 5}{2 \cdot 5} = \frac{5}{10} & \frac{1}{2} = \frac{1 \cdot 10}{2 \cdot 10} = \frac{10}{20} \\ \text{b) } \frac{3}{2} = \frac{3 \cdot 2}{2 \cdot 2} = \frac{6}{4} & \frac{3}{2} = \frac{3 \cdot 3}{2 \cdot 3} = \frac{9}{6} \\ \frac{3}{2} = \frac{3 \cdot 5}{2 \cdot 5} = \frac{15}{10} & \frac{3}{2} = \frac{3 \cdot 10}{2 \cdot 10} = \frac{30}{20} \\ \text{c) } \frac{1}{4} = \frac{1 \cdot 2}{4 \cdot 2} = \frac{2}{8} & \frac{1}{4} = \frac{1 \cdot 3}{4 \cdot 3} = \frac{3}{12} \\ \frac{1}{4} = \frac{1 \cdot 5}{4 \cdot 5} = \frac{5}{20} & \frac{1}{4} = \frac{1 \cdot 10}{4 \cdot 10} = \frac{10}{40} \\ \text{d) } \frac{3}{8} = \frac{3 \cdot 2}{8 \cdot 2} = \frac{6}{16} & \frac{3}{8} = \frac{3 \cdot 3}{8 \cdot 3} = \frac{9}{24} \\ \frac{3}{8} = \frac{3 \cdot 5}{8 \cdot 5} = \frac{15}{40} & \frac{3}{8} = \frac{3 \cdot 10}{8 \cdot 10} = \frac{30}{80} \\ \text{e) } \frac{4}{5} = \frac{4 \cdot 2}{5 \cdot 2} = \frac{8}{10} & \frac{4}{5} = \frac{4 \cdot 3}{5 \cdot 3} = \frac{12}{15} \\ \frac{4}{5} = \frac{4 \cdot 5}{5 \cdot 5} = \frac{20}{25} & \frac{4}{5} = \frac{4 \cdot 10}{5 \cdot 10} = \frac{40}{50} \\ \text{f) } \frac{4}{3} = \frac{4 \cdot 2}{3 \cdot 2} = \frac{8}{6} & \frac{4}{3} = \frac{4 \cdot 3}{3 \cdot 3} = \frac{12}{9} \\ \frac{4}{3} = \frac{4 \cdot 5}{3 \cdot 5} = \frac{20}{15} & \frac{4}{3} = \frac{4 \cdot 10}{3 \cdot 10} = \frac{40}{30} \end{array}$$

$$\begin{array}{llll} \text{g) } \frac{5}{6} = \frac{2 \cdot 10}{12} & \frac{5}{6} = \frac{3 \cdot 15}{18} & \frac{5}{6} = \frac{5 \cdot 25}{30} & \frac{5}{6} = \frac{4 \cdot 50}{60} \\ \text{h) } \frac{7}{10} = \frac{2 \cdot 14}{20} & \frac{7}{10} = \frac{3 \cdot 21}{30} & \frac{7}{10} = \frac{5 \cdot 35}{50} & \frac{7}{10} = \frac{4 \cdot 70}{100} \end{array}$$

Zusatz: Lb. 5.10.118

$$\begin{array}{ll} \text{a) } \frac{1}{6} = \frac{5}{30} \checkmark & \\ \text{b) } \frac{3}{10} = \frac{30}{100} & \frac{3}{10} = \frac{3 \cdot 10}{10 \cdot 10} \\ \text{c) } \frac{2}{3} = \frac{2}{24} \downarrow & \frac{2}{3} = \frac{8}{24} \\ \text{d) } \frac{4}{5} = \frac{32}{45} \downarrow & \frac{4}{5} = \frac{8}{40} \quad \text{oder} \quad \frac{4}{5} = \frac{36}{45} \\ \text{e) } \frac{11}{6} = \frac{15}{24} \downarrow & \frac{11}{6} = \frac{44}{24} \\ \text{f) } \frac{5}{3} = \frac{60}{36} \checkmark & \end{array}$$