

# Brüche 3

## Erweitern und kürzen

# (Lösung)

### 1. Erweitere mit 7

$$\frac{2}{3} = \frac{14}{21} \quad \frac{7}{8} = \frac{49}{56} \quad \frac{12}{15} = \frac{84}{105} \quad \frac{3}{4} = \frac{21}{28} \quad \frac{21}{24} = \frac{147}{168}$$

$$\frac{2}{5} = \frac{14}{35} \quad \frac{4}{5} = \frac{28}{35} \quad \frac{13}{17} = \frac{91}{119} \quad \frac{3}{6} = \frac{21}{42} \quad \frac{23}{28} = \frac{161}{196}$$

$$\frac{2}{11} = \frac{14}{77} \quad \frac{7}{18} = \frac{49}{126} \quad \frac{14}{16} = \frac{98}{112} \quad \frac{3}{45} = \frac{21}{315} \quad \frac{31}{35} = \frac{217}{245}$$

### 2. Kürze mit 8

$$\frac{16}{24} = \frac{2}{3} \quad \frac{48}{72} = \frac{6}{9} \quad \frac{96}{128} = \frac{12}{16} \quad \frac{24}{72} = \frac{3}{9} \quad \frac{8}{32} = \frac{1}{4}$$

$$\frac{16}{40} = \frac{2}{5} \quad \frac{48}{72} = \frac{6}{9} \quad \frac{16}{32} = \frac{2}{4} \quad \frac{8}{16} = \frac{1}{2} \quad \frac{40}{64} = \frac{5}{8}$$

$$\frac{32}{80} = \frac{4}{10} \quad \frac{24}{96} = \frac{3}{12} \quad \frac{48}{160} = \frac{6}{20} \quad \frac{400}{800} = \frac{50}{100} \quad \frac{960}{1600} = \frac{120}{200}$$