

## BRÜCHE - LÖSUNG

$$\textcircled{1} \quad \text{a) } \frac{18}{24} = \frac{3}{4}$$

$$\text{b) } \frac{18}{9} = \frac{2}{1} = 2$$

$$\text{c) } \frac{36}{48} = \frac{3}{4}$$

$$\text{d) } \frac{125}{256} = \frac{1}{2}$$

$$\text{e) } \frac{28}{49} = \frac{4}{7}$$

$$\text{f) } \frac{12}{144} = \frac{1}{12}$$

$$\textcircled{2} \quad \text{a) } \frac{1}{5} + \frac{2}{5} = \frac{3}{5}$$

$$\text{b) } \frac{1}{5} + \frac{1}{7} = \frac{7}{35} + \frac{5}{35} = \frac{12}{35}$$

$$\text{c) } \frac{5}{8} + \frac{7}{4} = \frac{5}{8} + \frac{14}{8} = \frac{19}{8}$$

$$\text{d) } \frac{3}{5} \cdot 4 + 1,2 = \frac{3}{5} \cdot \frac{4}{1} + \frac{12}{10} = \frac{12}{5} + \frac{12}{10} = \frac{12}{5} + \frac{6}{5} = \frac{18}{5}$$

$$\textcircled{3} \quad \text{a) } \frac{5}{4} = 1 \frac{1}{4}$$

$$\text{b) } \frac{8}{7} = 1 \frac{1}{7}$$

$$\text{c) } \frac{28}{9} = \frac{27}{9} + \frac{1}{9} = 3 + \frac{1}{9} = 3 \frac{1}{9}$$

$$\text{d) } 1 \frac{1}{4} + \frac{9}{4} = 1 \frac{1}{4} + 2 \frac{1}{4} = 3 \frac{2}{4} = 3 \frac{1}{2} \quad (\text{oder } \because 1 \frac{1}{4} + \frac{9}{4} = \frac{5}{4} + \frac{9}{4} = \frac{14}{4} = 3 \frac{2}{4} = 3 \frac{1}{2})$$

$$\text{bsp. } 25 \frac{1}{7} + 33 \frac{3}{7} = 58 \frac{4}{7}$$

$$\text{c) } \frac{5}{7} + \frac{19}{7} - 1 \frac{1}{7} = \frac{24}{7} - \frac{8}{7} = \frac{16}{7} = 2 \frac{2}{7}$$

$$\textcircled{4} \quad \text{a) } \frac{10}{18} : 2 = \frac{5}{18} \quad \left( \frac{10}{18} \cdot \frac{1}{2} = \frac{5}{18} \right)$$

$$\text{b) } \frac{7}{25} : 7 = \frac{1}{25}$$

$$\text{c) } \frac{3}{8} \cdot \frac{2}{7} = \frac{3}{28}$$

$$\text{d) } \frac{10}{18} : \frac{2}{9} = \frac{5}{2} \quad \left( \frac{10}{18} \cdot \frac{9}{2} \right)$$

$$\text{e) } \frac{5}{7} : 7 = \frac{5}{7} \cdot \frac{1}{7} = \frac{5}{49}$$

$$\textcircled{5} \quad \text{a) } 0,615 < \frac{2}{3} < 0,7 < \frac{3}{4}$$

$$0,667 \qquad 0,75$$

b)

$$\frac{18}{25} = \frac{72}{100} = 0,72 \quad \textcircled{4} \quad \frac{18}{25} = \frac{144}{200}$$

$$\frac{7}{10} = 0,7 \quad \textcircled{3} \quad \frac{7}{10} = \frac{140}{200}$$

$$0,6$$

$$\textcircled{1} \quad 0,6 = \frac{6}{10} = \frac{120}{200}$$

$$\frac{5}{8} = 0,625$$

$$\textcircled{2} \quad \frac{5 \cdot 25}{8 \cdot 25} = \frac{125}{200}$$

$$0,6 < \frac{5}{8} < \frac{7}{10} < \frac{18}{25}$$