

BRÜCHE - LÖSUNG

① a) $\frac{18}{24} = \frac{3}{4}$

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

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

d) $\frac{128}{256} = \frac{1}{2}$

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

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

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

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

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

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

③ a) $\frac{5}{4} = 1\frac{1}{4}$

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

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

d) $1\frac{1}{4} + \frac{9}{4} = 1\frac{1}{4} + 2\frac{1}{4} = 3\frac{2}{4} = 3\frac{1}{2}$

e) $\frac{19}{5} - \frac{3}{5} = \frac{16}{5} = 3\frac{1}{5}$

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

④ a) $\frac{10}{18} : 2 = \frac{5}{18}$

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

c) $\frac{3}{8} \cdot \frac{4}{7} = \frac{3}{28}$

d) $\frac{10}{18} : \frac{2}{9} = \frac{5}{2}$

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

⑤ a) $\frac{3}{4} = 0,75$

$\frac{2}{3} = 0,667$

0,7

0,615

$0,615 < \frac{2}{3} < 0,7 < \frac{3}{4}$

b) $\frac{18}{25} = \frac{76}{100} = 0,76$

$\frac{7}{10} = 0,7$

0,6

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

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