

4.1 → Donnerstag

a) $\frac{25}{100} = \frac{5}{20} = \frac{1}{4}$

f) $\frac{56}{72} = \frac{7}{9}$ ✓

b) $\frac{42}{70} = \frac{6}{10} = \frac{3}{5}$

g) $\frac{48}{120} = \frac{4}{10} = \frac{2}{5}$ ✓

c) $\frac{36}{80} = \frac{9}{20}$ ✓

h) $\frac{66}{99} = \frac{22}{33}$

d) $\frac{120}{300} = \frac{2}{5}$ ✓

i) $\frac{200}{1000} = \frac{4}{20} = \frac{2}{10} = \frac{1}{5}$ ✓

e) $\frac{8}{78} = \frac{26}{39} = \frac{2}{3}$

j) $\frac{150}{2500} = \frac{3}{50}$ ✓

5.1 → Donnerstag

a) $\frac{4}{7} \cdot \frac{3}{5} = \frac{12}{35}$ ✓

$\frac{21}{35}$ ✓

b) $\frac{3}{4} \cdot \frac{7}{9} = \frac{21}{36}$ ✓

$\frac{28}{36}$ ✓

$\frac{8}{9} \cdot \frac{10}{12} = \frac{80}{108} = \frac{32}{27}$ ✓

$\frac{30}{36}$ ✓

$\frac{5}{5} \cdot \frac{10}{13} = \frac{50}{65}$ ✓

$\frac{50}{65}$ ✓

$\frac{6}{7} \cdot \frac{11}{14} = \frac{66}{98} = \frac{33}{49}$ ✓

$\frac{11}{14}$ ✓

6.1 → Freitag

$$a) \frac{21}{8} = 2 \frac{5}{8} \quad \checkmark$$

$$f) \frac{35}{11} = 3 \frac{2}{11} \quad \checkmark$$

$$b) \frac{42}{9} = 4 \frac{6}{9} \quad \checkmark$$

$$g) \frac{49}{13} = 3 \frac{10}{13} \quad \checkmark$$

$$c) \frac{26}{7} = 3 \frac{5}{7} \quad \checkmark$$

$$h) \frac{59}{12} = 4 \frac{11}{12} \quad \checkmark$$

$$d) \frac{34}{8} = 4 \frac{2}{8} \quad \checkmark$$

$$i) \frac{59}{16} = 3 \frac{11}{16} \quad \checkmark$$

$$e) \frac{43}{4} = 10 \frac{3}{4} \quad \checkmark$$

$$j) \frac{65}{14} = 4 \frac{9}{14} \quad \checkmark$$

7.1 → Freitag

$$a) 1 \frac{1}{7} = \frac{8}{7} \quad \checkmark$$

$$b) 6 \frac{4}{9} = \frac{58}{9} \quad \checkmark$$

$$c) 7 \frac{3}{8} = \frac{59}{8} \quad \checkmark$$

$$d) 8 \frac{4}{5} = \frac{44}{5} \quad \checkmark$$

$$e) 3 \frac{4}{13} = \frac{43}{13} \quad \checkmark$$

8.1

a) $\frac{4}{8} : \frac{5}{9} : \frac{2}{3} : \frac{7}{9} : \frac{15}{18} : \frac{5}{3}$ ✓

b) $\frac{1}{2} : \frac{2}{10} : \frac{18}{5} : \frac{19}{5} : \frac{19}{5} : \frac{2}{5}$ ✓

c) $\frac{3}{5} : \frac{2}{10} : \frac{4}{5} : \frac{13}{5} : \frac{27}{30} : \frac{4}{5}$ ✓

d) $1\frac{3}{4} : 1\frac{3}{4} : 3\frac{1}{4} : 8\frac{3}{4} : 4\frac{1}{3} : 5\frac{2}{3}$ ✓

SAMSTAG / SONNTAG

1.1) a) $\frac{4}{9} + \frac{2}{5} = \frac{20}{45} + \frac{18}{45} = \frac{38}{45}$ ✓

b) $\frac{3}{4} + \frac{11}{25} = \frac{75}{100} + \frac{44}{100} = \frac{119}{100}$

1.2) a) $\frac{7}{8} - \frac{5}{6} = \frac{21}{24} - \frac{20}{24} = \frac{1}{24}$

b) $\frac{3}{4} - \frac{5}{9} = \frac{27}{36} - \frac{20}{36} = \frac{7}{36}$

2.1) a) $\frac{18}{24} \cdot \frac{7}{36} = \frac{126}{864} = \frac{7}{48}$ ✓

b) $\frac{25}{40} \cdot \frac{40}{45} = \frac{1000}{1800} = \frac{10}{18} = \frac{5}{9}$
 $\frac{25}{40} \cdot \frac{40}{45} = \frac{1000}{1800} = \frac{10}{18} = \frac{5}{9}$ ✓ = $\frac{15}{8}$

3.1) a) $\frac{10}{13} : \frac{20}{39} = \frac{10 \cdot 39}{13 \cdot 20} = \frac{390}{260} = \frac{3}{2}$ $\frac{3}{3} = 1$

b) $\frac{11}{14} : \frac{17}{6} = \frac{11 \cdot 6}{14 \cdot 17} = \frac{66}{238} = \frac{33}{119}$ $\frac{3}{7}$

4.1) a) $2\frac{1}{3} : 2\frac{3}{5} = \frac{7}{3} : \frac{13}{5} = \frac{7 \cdot 5}{3 \cdot 13} = \frac{35}{39}$ $\frac{35}{15} = 2\frac{1}{3}$

b) $3\frac{7}{8} : 1\frac{1}{4} = \frac{31}{8} : \frac{5}{4} = \frac{31 \cdot 4}{8 \cdot 5} = \frac{124}{40} = \frac{31}{10} = 3\frac{1}{10}$ $\frac{170}{36} = 4\frac{13}{18}$

5.1) a) $2\frac{3}{7} : 1\frac{3}{14} = \frac{17}{7} : \frac{17}{14} = \frac{17 \cdot 14}{7 \cdot 17} = 2$

b) $2\frac{3}{4} : 2\frac{6}{9} = \frac{11}{4} : \frac{10}{3} = \frac{11 \cdot 3}{4 \cdot 10} = \frac{33}{40} = 0\frac{33}{40}$ $\frac{33}{32} = 1\frac{1}{32}$