

Mathe Nachhilfe - Aufgaben W1

18.8.

11 a) $\frac{5 \cdot 8}{6 \cdot 8} = \frac{40}{48}$, $\frac{5 \cdot 8}{7 \cdot 8} = \frac{40}{56}$, $\frac{3 \cdot 8}{5 \cdot 8} = \frac{24}{40}$, $\frac{7 \cdot 8}{8 \cdot 8} = \frac{56}{82}$

$\frac{8 \cdot 8}{13 \cdot 8} = \frac{64}{104}$, $\frac{7 \cdot 8}{17 \cdot 8} = \frac{56}{136}$, $\frac{25 \cdot 8}{30 \cdot 8} = \frac{200}{240}$

b) $\frac{5 \cdot 9}{6 \cdot 9} = \frac{45}{54}$, $\frac{5 \cdot 9}{7 \cdot 9} = \frac{45}{63}$, $\frac{3 \cdot 9}{5 \cdot 9} = \frac{27}{45}$, $\frac{7 \cdot 9}{8 \cdot 9} = \frac{63}{81}$

$\frac{8 \cdot 9}{13 \cdot 9} = \frac{72}{117}$, $\frac{7 \cdot 9}{17 \cdot 9} = \frac{63}{153}$, $\frac{25 \cdot 9}{30 \cdot 9} = \frac{225}{270}$

c) $\frac{5 \cdot 14}{6 \cdot 14} = \frac{70}{84}$, $\frac{5 \cdot 14}{7 \cdot 14} = \frac{70}{98}$, $\frac{3 \cdot 14}{5 \cdot 14} = \frac{42}{70}$, $\frac{7 \cdot 14}{8 \cdot 14} = \frac{98}{126}$

$\frac{8 \cdot 14}{13 \cdot 14} = \frac{112}{182}$, $\frac{7 \cdot 14}{17 \cdot 14} = \frac{98}{238}$, $\frac{25 \cdot 14}{30 \cdot 14} = \frac{350}{420}$

2.1a) $\frac{48 : 4}{80 : 4} = \frac{12}{20}$, $\frac{3}{8} = \frac{16}{20}$, $\frac{6}{8} = \frac{8}{10}$

$\frac{36 : 4}{48 : 4} = \frac{9}{12}$, $\frac{3}{3} = \frac{12}{16}$, $\frac{6}{6} = \frac{6}{8}$

$\frac{72 : 4}{36 : 4} = \frac{18}{9}$, $\frac{3}{3} = \frac{24}{12}$, $\frac{6}{6} = \frac{12}{6}$

$\frac{24 : 4}{86 : 4} = \frac{6}{24}$, $\frac{3}{3} = \frac{8}{32}$, $\frac{6}{6} = \frac{4}{16}$

$\frac{84 : 4}{120 : 4} = \frac{21}{30}$, $\frac{3}{3} = \frac{28}{40}$, $\frac{6}{6} = \frac{14}{20}$

$\frac{300 : 4}{360 : 4} = \frac{75}{90}$, $\frac{3}{3} = \frac{100}{120}$, $\frac{6}{6} = \frac{50}{60}$

$\frac{168 : 4}{480 : 4} = \frac{27}{120}$, $\frac{3}{3} = \frac{36}{160}$, $\frac{6}{6} = \frac{18}{80}$