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a) $\frac{5}{3} : \frac{7}{4} = \frac{5}{3} \cdot \frac{4}{7} = \frac{20}{21}$ b) $\frac{1}{2} : \frac{5}{3} = \frac{1}{2} \cdot \frac{3}{5} = \frac{3}{10}$

c) $\frac{2}{7} : \frac{7}{9} = \frac{2}{7} \cdot \frac{9}{7} = \frac{18}{49}$ d) $\frac{8}{7} : \frac{3}{5} = \frac{8}{7} \cdot \frac{5}{3} = \frac{40}{21} = 1 \frac{19}{21}$

e) $1\frac{3}{4} : 5\frac{1}{4} = \frac{7}{4} : \frac{21}{4} = \frac{7}{4} \cdot \frac{4}{21} = \frac{7}{21} = \frac{1}{3}$ f) $\frac{15}{7} : \frac{13}{5} = \frac{15}{7} \cdot \frac{5}{13} = \frac{75}{91}$

g) $\frac{17}{11} : \frac{5}{11} = \frac{17}{11} \cdot \frac{11}{5} = \frac{17}{5}$ h) $\frac{3}{5} : \frac{7}{4} = \frac{3}{5} \cdot \frac{4}{7} = \frac{12}{35}$

i) $2\frac{1}{7} : 3\frac{1}{5} = \frac{15}{7} : \frac{16}{5} = \frac{15}{7} \cdot \frac{5}{16} = \frac{75}{112}$ j) $1\frac{2}{3} : \frac{4}{9} = \frac{12}{3} : \frac{4}{9} = \frac{12}{3} \cdot \frac{9}{4} = \frac{27}{1}$

k) $3\frac{1}{5} : 0,7 = \frac{16}{5} : \frac{7}{10} = \frac{16}{5} \cdot \frac{10}{7} = \frac{32}{7}$ l) $2,5 : 0,5 = \frac{25}{10} : \frac{5}{10} = \frac{25}{10} \cdot \frac{10}{5} = 5$
 $= \frac{25}{10} : \frac{5}{10} = \frac{25}{5} = 5$ (bei schriftl. i. Akto: $\frac{2,5 : 0,5 = 10}{25 : 5 = 5}$)

52 | 8

a) $\frac{1}{7} + \frac{1}{3} + \frac{1}{14} = \frac{6+14+3}{42} = \frac{23}{42}$ b) $\frac{1}{5} + \frac{1}{3} + \frac{2}{12} = \frac{12+20+10}{60} = \frac{42}{60} = \frac{7}{10}$

c) $\frac{3}{4} + 0,2 + \frac{5}{16} = \frac{3}{4} + \frac{1}{5} + \frac{5}{16} = \frac{60+16+25}{80} = \frac{101}{80}$

d) $\frac{1}{2} + \frac{1}{4} + \frac{1}{8} = \frac{4+2+1}{8} = \frac{7}{8}$ e) $\frac{1}{5} + \frac{1}{10} + \frac{1}{15} = \frac{6+3+2}{30} = \frac{11}{30}$

f) $2,7 + \frac{2}{5} + \frac{3}{4} = \frac{27}{10} + \frac{2}{5} + \frac{3}{4} = \frac{54+8+15}{20} = \frac{77}{20}$

52 | 9 a) $(\frac{1}{2} - \frac{1}{4}) : \frac{2}{5} = \frac{2-1}{4} : \frac{2}{5} = \frac{1}{4} \cdot \frac{5}{2} = \frac{5}{8}$

b) $(\frac{3}{7} - \frac{1}{5}) : \frac{7}{5} = \frac{15-7}{35} : \frac{7}{5} = \frac{8}{35} \cdot \frac{5}{7} = \frac{8}{49}$

c) $\frac{3}{4} - (\frac{1}{3} - \frac{1}{4}) = \frac{3}{4} - \frac{1}{3} + \frac{1}{4} = \frac{9-4+3}{12} = \frac{8}{12} = \frac{2}{3}$

d) $\frac{5}{7} - (\frac{10}{8} - 1) = \frac{5}{7} - \frac{10}{8} + 1 = \frac{40-70+56}{56} = \frac{96-70}{56} = \frac{26}{56} = \frac{13}{28}$

$$a) \frac{5}{3} + \left(\frac{1}{5} - \frac{1}{6} \right) = \frac{5}{3} + \frac{1}{5} - \frac{1}{6} = \frac{50+6-5}{30} = \frac{51}{30} = \frac{17}{10}$$

$$b) \frac{4}{9} - \left(\frac{1}{10} - \frac{1}{11} \right) = \frac{4}{9} - \frac{1}{10} + \frac{1}{11} = \frac{440-99+90}{990} = \frac{431}{990} = \frac{52}{115}$$

52/10

$$a) 1\frac{1}{5} + 0,34 = \frac{6}{5} + \frac{34}{100} = \frac{120+34}{100} = \frac{154}{100} = \frac{77}{50}$$

ilo take' take: $1\frac{1}{5} + 0,34 = 1,2 + 0,34 = 1,54$

$$b) 4\frac{2}{3} - \frac{5}{6} = \frac{14}{3} - \frac{5}{6} = \frac{28-5}{6} = \frac{23}{6} = 3\frac{5}{6}$$

$$c) 1\frac{7}{8} - 0,125 = \frac{15}{8} - \frac{1}{8} = \frac{14}{8} = \frac{7}{4} = 1\frac{3}{4}$$

$$d) 3,25 - \frac{3}{4} = 3\frac{1}{4} - \frac{3}{4} = \frac{13}{4} - \frac{3}{4} = \frac{10}{4} = \frac{5}{2}$$

$$e) \frac{15}{2} - 2,5 = 7,5 - 2,5 = 5$$

$$f) 3,5 - \frac{1}{5} = 3,5 - 0,2 = 3,3$$

mebo $3,5 - \frac{1}{5} = 3\frac{1}{2} - \frac{1}{5} = \frac{7}{2} - \frac{1}{5} = \frac{35-2}{10} = \frac{33}{10} = 3,3$