

Aufgabe 4

a)

$$\frac{2}{3} + \frac{1}{4} = \frac{8}{12} + \frac{3}{12} = \frac{11}{12}$$

b)

$$\frac{7}{8} - \frac{1}{3} = \frac{21}{24} - \frac{8}{24} = \frac{13}{24}$$

c)

$$\frac{1}{2} + \frac{3}{7} = \frac{7}{14} + \frac{6}{14} = \frac{13}{14}$$

d)

$$\frac{5}{6} - \frac{2}{5} = \frac{25}{30} - \frac{12}{30} = \frac{13}{30}$$

e)

$$\frac{1}{4} + \frac{2}{9} = \frac{9}{36} + \frac{8}{36} = \frac{17}{36}$$

f)

$$\frac{1}{2} + \frac{1}{4} = \frac{2}{4} + \frac{1}{4} = \frac{3}{4}$$

g)

$$\frac{7}{8} - \frac{4}{5} = \frac{35}{40} - \frac{32}{40} = \frac{3}{40}$$

h)

$$\frac{1}{3} + \frac{1}{6} = \frac{2}{6} + \frac{1}{6} = \frac{3}{6} = \frac{1}{2}$$

i)

$$\frac{5}{7} - \frac{2}{9} = \frac{45}{63} - \frac{14}{63} = \frac{31}{63}$$

j)

$$\frac{1}{6} + \frac{3}{5} = \frac{5}{30} + \frac{18}{30} = \frac{23}{30}$$

k)

$$\frac{4}{5} - \frac{1}{8} = \frac{32}{40} - \frac{5}{40} = \frac{27}{40}$$

l)

$$\frac{2}{7} + \frac{1}{4} = \frac{8}{28} + \frac{7}{28} = \frac{15}{28}$$

m)

$$\frac{6}{11} + \frac{3}{4} = \frac{24}{44} + \frac{33}{44} = \frac{57}{44} = 1\frac{13}{44}$$

n)

$$\frac{8}{5} - \frac{1}{3} = \frac{24}{15} - \frac{5}{15} = \frac{19}{15} = 1\frac{4}{15}$$

o)

$$\frac{7}{3} - \frac{7}{4} = \frac{28}{12} - \frac{21}{12} = \frac{7}{12}$$

p)

$$\frac{2}{15} + \frac{15}{2} = \frac{4}{30} + \frac{225}{30} = \frac{229}{30} = 7\frac{19}{30}$$

q)

$$\frac{4}{34} - \frac{2}{17} = \frac{4}{34} - \frac{4}{34} = \frac{0}{34} = 0$$

r)

$$\frac{13}{5} + \frac{5}{8} = \frac{104}{40} + \frac{25}{40} = \frac{129}{40} = 4\frac{9}{40}$$

Aufgabe 5

a)

$$\frac{3}{8} + \frac{1}{4} = \frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

b)

$$\frac{9}{10} - \frac{2}{5} = \frac{9}{10} - \frac{4}{10} = \frac{5}{10}$$

c)

$$\frac{3}{2} + \frac{1}{8} = \frac{12}{8} + \frac{1}{8} = \frac{13}{8} = 1\frac{5}{8}$$

d)

$$\frac{5}{6} - \frac{7}{12} = \frac{10}{12} - \frac{7}{12} = \frac{3}{12} = \frac{1}{4}$$

e)

$$\frac{1}{3} + \frac{1}{9} = \frac{3}{9} + \frac{1}{9} = \frac{4}{9}$$

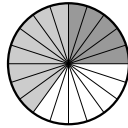
f)

$$\frac{7}{10} + \frac{23}{100} = \frac{70}{100} + \frac{23}{100} = \frac{93}{100}$$

Aufgabe 6

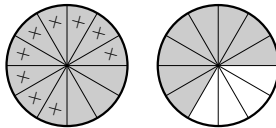
a)

$$\frac{1}{4} + \frac{2}{5} = \frac{5}{20} + \frac{8}{20} = \frac{13}{20}$$



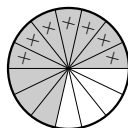
b)

$$\frac{5}{3} - \frac{3}{4} = \frac{20}{12} - \frac{9}{12} = \frac{11}{12}$$



c)

$$\frac{5}{7} - \frac{1}{2} = \frac{10}{14} - \frac{7}{14} = \frac{3}{14}$$



d)

$$\frac{5}{6} + \frac{3}{4} = \frac{10}{12} + \frac{9}{12} = \frac{19}{12} = 1\frac{7}{12}$$

