

Aufgabe 8

a)

$$\frac{3}{4} : 4 = \frac{3}{4 \cdot 4} = \frac{3}{16}$$

b)

$$\frac{6}{11} : 3 = \frac{6}{11 \cdot 3} = \frac{2}{11 \cdot 1} = \frac{2}{11}$$

c)

$$\frac{3}{10} : 2 = \frac{3}{10 \cdot 2} = \frac{3}{20}$$

d)

$$\frac{15}{4} : 5 = \frac{15}{4 \cdot 5} = \frac{3}{4 \cdot 1} = \frac{3}{4}$$

e)

$$\frac{7}{12} : 10 = \frac{7}{12 \cdot 10} = \frac{7}{120}$$

f)

$$\frac{5}{8} : 5 = \frac{5}{8 \cdot 5} = \frac{1}{8 \cdot 1} = \frac{1}{8}$$

g)

$$\frac{7}{13} : \frac{3}{2} = \frac{7}{13} \cdot \frac{2}{3} = \frac{7 \cdot 2}{13 \cdot 3} = \frac{14}{39}$$

h)

$$0 : \frac{16}{25} = 0$$

Aufgabe 9

a)

$$\frac{12}{5} : 4 = \frac{12 : 4}{5} = \frac{3}{5}$$

b)

$$\frac{36}{7} : 6 = \frac{36 : 6}{7} = \frac{6}{7}$$

c)

$$\frac{99}{10} : 11 = \frac{99 : 11}{10} = \frac{9}{10}$$

d)

$$\frac{56}{15} : 8 = \frac{56 : 8}{15} = \frac{7}{15}$$

e)

$$\frac{108}{25} : 12 = \frac{108 : 12}{25} = \frac{9}{25}$$

f)

$$\frac{165}{9} : 15 = \frac{165 : 15}{9} = \frac{11}{9} = 1\frac{2}{9}$$

Aufgabe 10

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

$$\frac{3}{2} : 6 = \frac{3}{2 \cdot 6} = \frac{1}{2 \cdot 2} = \frac{1}{4}$$

Jedes Kind erhält $\frac{1}{4}$ l (250 ml) Cola.