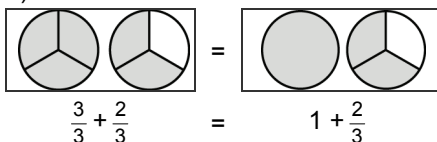


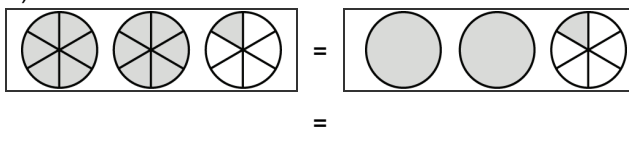
Gemischte Zahlen

1 Welche gemischte Zahl ist dargestellt?

a)

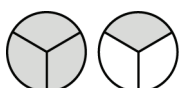


b)

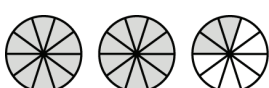


2 Schreibe als Bruch und als gemischte Zahl.

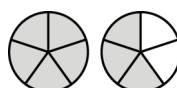
a)



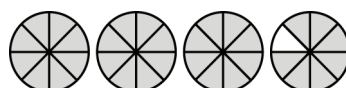
b)



c)



d)



3 Schreibe als gemischte Zahl

a) $\frac{8}{3}$ $2 + \frac{2}{3} =$ _____

b) $\frac{5}{4}$ _____ = _____

c) $\frac{8}{7}$ _____ = _____

d) $\frac{11}{5}$ _____ = _____

e) $\frac{12}{8}$ _____ = _____

f) $\frac{19}{9}$ _____ = _____

Beachte

$1 = \frac{1}{1} = \frac{2}{2} = \frac{3}{3} = \dots$
 $2 = \frac{2}{1} = \frac{4}{2} = \frac{6}{3} = \frac{8}{4} = \dots$
 $3 = \frac{3}{1} = \frac{6}{2} = \frac{9}{3} = \frac{12}{4} = \dots$

Stimmt's?

$1\frac{1}{1}$; $1\frac{4}{1}$; $1\frac{3}{1}$; $1\frac{8}{4}$; $1\frac{2}{3}$; $5\frac{2}{1}$; $5\frac{2}{1}$; $5\frac{10}{3}$; $5\frac{3}{5}$; $3\frac{8}{1}$

4 Schreibe als Bruch.

a) $2\frac{3}{4} = \frac{8}{4} + \frac{3}{4}$ _____

b) $5\frac{5}{8} =$ _____

c) $3\frac{5}{11} =$ _____

d) $7\frac{8}{11} =$ _____

e) $9\frac{5}{15} =$ _____

f) $17\frac{3}{7} =$ _____

g) $11\frac{2}{3} =$ _____

h) $15\frac{5}{9} =$ _____

i) $8\frac{6}{11} =$ _____

5 Verwandle in Minuten.

a) $1\frac{1}{3}$ h = 60 min + _____

b) $2\frac{1}{4}$ h = _____

c) $\frac{5}{4}$ h = _____

Beachte

$1\frac{1}{2}$ h
 = 60 min + 30 min
 = 90 min

Lösungen

Gemischte Zahlen, KV9

1 b) $\frac{6}{6} + \frac{6}{6} + \frac{1}{6} = 2\frac{1}{6}$

2 a) $\frac{4}{3} = 1\frac{1}{3}$

b) $\frac{23}{10} = 2\frac{3}{10}$

c) $\frac{8}{5} = 1\frac{3}{5}$

d) $\frac{31}{8} = 3\frac{7}{8}$

3 a) $2\frac{2}{3}$

b) $1 + \frac{1}{4} = 1\frac{1}{4}$

c) $1 + \frac{1}{7} = 1\frac{1}{7}$

d) $2 + \frac{1}{5} = 2\frac{1}{5}$

e) $1 + \frac{4}{8} = 1\frac{1}{2}$

f) $2 + \frac{1}{9} = 2\frac{1}{9}$

4 a) $\frac{11}{4}$

b) $\frac{40}{8} + \frac{5}{8} = \frac{45}{8}$

c) $\frac{33}{11} + \frac{5}{11} = \frac{38}{11}$

d) $\frac{77}{11} + \frac{8}{11} = \frac{85}{11}$

e) $\frac{135}{15} + \frac{5}{15} = \frac{140}{15}$

f) $\frac{119}{7} + \frac{3}{7} = \frac{122}{7}$

g) $\frac{33}{11} + \frac{2}{3} = \frac{35}{3}$

h) $\frac{135}{9} + \frac{5}{9} = \frac{140}{9}$

i) $\frac{88}{11} + \frac{6}{11} = \frac{94}{11}$

5 a) $60 \text{ min} + 20 \text{ min} = 80 \text{ min}$

b) $120 \text{ min} + 15 \text{ min} = 135 \text{ min}$

c) $\frac{5}{4} \text{ h} = 1\frac{1}{4} \text{ h}; 60 \text{ min} + 15 \text{ min} = 75 \text{ min}$