

Lösung zum Wochenplan 1, Mathe 6c

S. 73 LINKS

Nr. 2

	H	Z	E	,	z	h	t	Komma- zahl	Bruch
a)			0		9			0,9	$\frac{9}{10}$
b)			0		7			0,7	$\frac{7}{10}$
c)			0		1	9		0,19	$\frac{19}{100}$
d)			0		0	3		0,03	$\frac{3}{100}$
e)			0		1	0	1	0,101	$\frac{101}{1000}$
f)			0		1			0,1	$\frac{1}{10}$
g)			0		0	0	3	0,003	$\frac{3}{1000}$
h)			0		0	9	7	0,097	$\frac{97}{1000}$

Nr. 3

	H	Z	E	,	z	h	t	Komma- zahl	Bruch
a)			0		9			0,9	$\frac{9}{10}$
b)			0		9	9		0,99	$\frac{99}{100}$
c)			0		0	9		0,09	$\frac{9}{100}$
d)			0		9			0,90	$\frac{90}{100}$
e)			9					9,0	$\frac{90}{10}$

Nr. 4

$$0,8 \text{ km} = \frac{8}{10} \text{ km}$$

$$1,04 \text{ km} = 1 \frac{4}{100}$$

$$0,08 \text{ km} = \frac{8}{100} \text{ km}$$

$$1,004 \text{ km} = 1 \frac{4}{1000}$$

Nr. 5

$$a) 0,4 = \frac{4}{10}$$

$$b) 0,5 = \frac{5}{10}$$

$$c) 0,12 = \frac{12}{100}$$

$$d) 0,08 = \frac{8}{100}$$

$$e) 0,25 = \frac{25}{100}$$

$$f) 0,84 = \frac{84}{100}$$

$$g) 0,125 = \frac{125}{1000}$$

$$h) 0,005 = \frac{5}{1000}$$

Nr. 6

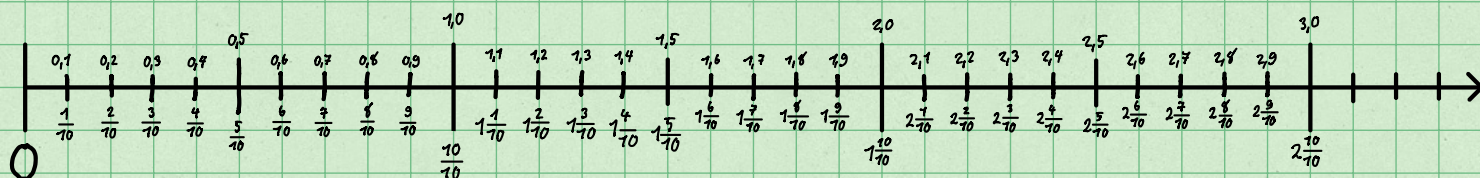
$$a) \frac{3}{10} = \underline{0,3}$$

$$b) \frac{556}{1000} = \underline{0,556}$$

$$c) 3 \frac{7}{10} = \underline{3,7}$$

$$d) \frac{176}{1000} = \underline{0,176}$$

Nr. 7



Nr. 8

Beispiel - Antwort: Nein, Jonas hat nicht recht.

Zwischen 0,5 und 0,6 liegen
noch 0,51 - 0,59 und zwischen z. B.
0,51 und 0,52 liegen noch
0,511 - 0,519.

S. 77 LINKS

Nr. 1

$$a) 43 : 10 = \frac{43}{10} = 4 \frac{3}{10}$$

$$b) 16 : 5 = \frac{16}{5} = 3 \frac{1}{5}$$

$$c) 11 : 2 = \frac{11}{2} = 5 \frac{1}{2}$$

$$d) 607 : 100 = \frac{607}{100} = 6 \frac{7}{100}$$

$$e) 5 : 4 = \frac{5}{4} = 1 \frac{1}{4}$$

$$f) 709 : 20 = \frac{709}{20} = 35 \frac{9}{20}$$

$$g) 17 : 4 = \frac{17}{4} = 4 \frac{1}{4}$$

$$h) 57 : 10 = \frac{57}{10} = 5 \frac{7}{10}$$

$$i) 999 : 10 = \frac{999}{10} = 99 \frac{9}{10}$$

Nr. 2

$$a) \frac{2}{5} \stackrel{\cdot 2}{=} \frac{4}{10} = \underline{0,4}$$

$$b) \frac{1}{2} \stackrel{\cdot 5}{=} \frac{5}{10} = \underline{0,5}$$

$$c) \frac{8}{25} \stackrel{\cdot 4}{=} \frac{32}{100} = \underline{0,32}$$

$$d) \frac{7}{20} \stackrel{\cdot 5}{=} \frac{35}{100} = \underline{0,35}$$

$$e) \frac{56}{700} \stackrel{\div 7}{=} \frac{8}{100} = \underline{0,08}$$

$$f) \frac{154}{2000} \stackrel{\div 2}{=} \frac{77}{1000} = \underline{0,077}$$

Nr. 3

$$a) \frac{4}{80} = \frac{1}{20} = \frac{5}{100} = \underline{0,05}$$

$$b) \frac{27}{45} = \frac{3}{5} = \frac{6}{10} = \underline{0,6}$$

$$c) \frac{9}{150} = \frac{3}{50} = \frac{6}{100} = \underline{0,06}$$

$$d) \frac{20}{16} = \frac{5}{4} = \frac{125}{100} = \underline{1,25}$$

$$e) \frac{12}{75} = \frac{4}{25} = \frac{16}{100} = \underline{0,16}$$

$$f) \frac{28}{35} = \frac{4}{5} = \frac{8}{10} = \underline{0,8}$$

Nr. 4

$$a) \frac{7}{10} = \underline{0,7} = 70\%$$

$$b) \frac{2}{5} = \frac{4}{10} = \underline{0,4} = 40\%$$

$$c) \frac{3}{4} = \frac{75}{100} = \underline{0,75} = 75\%$$

$$d) \frac{3}{8} = \frac{375}{1000} = \underline{0,375} = 37,5\%$$

Nr. 5

$$\frac{7}{5} = \frac{14}{10} = 1,4$$

$$\frac{9}{8} = \frac{1125}{1000} = 1,125$$

$$\frac{49}{56} = \frac{7}{8} = \frac{875}{1000} = 0,875$$

$$\frac{18}{45} = \frac{2}{5} = \frac{4}{10} = 0,4$$

$$\frac{39}{150} = \frac{13}{50} = \frac{26}{100} = 0,26$$

ODER:

$$7 : 5 = 1,4$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline 20 \\ - 20 \\ \hline 0 \end{array}$$

$$9 : 8 = 1,125$$

$$\begin{array}{r} 9 \\ - 8 \\ \hline 10 \\ - 8 \\ \hline 20 \\ - 16 \\ \hline 40 \\ - 40 \\ \hline 0 \end{array}$$

$$49 : 56 = 0,875$$

$$\begin{array}{r} 49 \\ - 44 \\ \hline 420 \\ - 392 \\ \hline 380 \\ - 380 \\ \hline 0 \end{array}$$

$$18 : 45 = 0,4$$

$$\begin{array}{r} 180 \\ - 180 \\ \hline 0 \end{array}$$

$$39 : 150 = 0,26$$

$$\begin{array}{r} 390 \\ - 380 \\ \hline 100 \\ - 100 \\ \hline 0 \end{array}$$

$$39 : 150 = 0,26$$

$$\begin{array}{r} 390 \\ - 300 \\ \hline 900 \\ - 900 \\ \hline 0 \end{array}$$

Nr. 6

$$\frac{3}{4} = \frac{75}{100} = \underline{0,75\text{L}} \text{ Maracuja-Mango-Saft}$$

$$\frac{1}{2} = \frac{5}{10} = \underline{0,5\text{L}} \text{ Ananassaft}$$

$$\frac{1}{5} = \frac{2}{10} = \underline{0,2\text{L}} \text{ Orangensaft}$$

$$\frac{1}{4} = \frac{25}{100} = \underline{0,25\text{L}} \text{ Grapefruitsaft}$$

$$\frac{1}{10} = \underline{0,1\text{L}} \text{ Grenadine}$$

S. 73 RECHTS

2

Darstellungsübung in Stellenwerttafel

a) $\frac{4}{10}$ b) $\frac{44}{100}$ c) $\frac{464}{1000}$ d) $\frac{4004}{10000}$
e) $\frac{806}{1000}$ f) $\frac{6808}{100}$ g) $\frac{6}{1000}$ h) $\frac{6008}{10000}$

3

Darstellungsübung in Stellenwerttafel

a) 0,7 b) 0,03 c) 0,19 d) 0,247
e) 0,001

4

a) < b) = c) > d) > e) = f) <

5

a) $\frac{3}{10}$ b) $\frac{3}{4}$ c) $\frac{3}{50}$ d) $\frac{1}{40}$
e) $\frac{3}{2}$ f) $\frac{277}{25}$ g) $\frac{1}{250}$ h) $\frac{5001}{500}$

6

a) 0,7 b) 0,033 c) 89,021
d) 21,005

7

a) 0,44; 0,49; 0,53 b) 0,025; 0,04; 0,053

8

individuell verschieden; z.B.
0,11 < 0,115 < 0,12

S. 77 RECHTS

1

a) $\frac{59}{10} = 5\frac{9}{10}$ b) $\frac{61}{25} = 2\frac{11}{25}$ c) $\frac{18}{30} = \frac{3}{5}$
d) $\frac{24}{64} = \frac{3}{8}$ e) $\frac{379}{40} = 9\frac{19}{40}$ f) $\frac{382}{125} = 3\frac{7}{125}$

2

a) 0,164 b) 0,356 c) 0,6 d) 0,024
e) 0,475 f) 0,4 g) 3,2 h) 5,5
i) 5,45

3

a) $0,1 = \frac{1}{10}$; $0,2 = \frac{1}{5}$; $0,03 = \frac{3}{100}$
 $0,05 = \frac{1}{20}$
b) $\frac{2}{5} = \frac{4}{10} = 0,4$; $\frac{5}{10} = \frac{2}{4} = \frac{1}{2} = 0,5$;
 $\frac{2}{8} = \frac{1}{4} = 0,25$

4

a) $\frac{1}{2} = 0,5 = 50\%$ b) $\frac{1}{4} = 0,25 = 25\%$
c) $\frac{3}{8} = 0,375 = 37,5\%$ d) $\frac{1}{2} = 0,5 = 50\%$
e) $\frac{1}{4} = 0,25 = 25\%$ f) $\frac{5}{8} = 0,625 = 62,5\%$

5

a) 0,6 b) 0,4375 c) 1,625
d) 1,25 e) 0,35125 f) 0,224

6

0,75 l Apfelmus; 0,25 l saure Sahne;
0,5 l Schokoladensauce; 0,125 l Sahne