

b. Prozentrechnung

31)

%	€
100	4673
1	0,463
97	44,910€

$\cdot 100 \left\{ \begin{array}{l} 100 \\ 1 \end{array} \right. \begin{array}{l} 4673 \\ 0,463 \end{array} \begin{array}{l} \downarrow : 100 \\ \downarrow \cdot 100 \end{array}$
 $\cdot 97 \left\{ \begin{array}{l} 1 \\ 97 \end{array} \right. \begin{array}{l} 4673 \\ 44,910€ \end{array} \begin{array}{l} \downarrow \cdot 97 \\ \downarrow : 100 \end{array}$

Preisnachlass: 1,39€

33)

%	€
2	752,60
1	76,30
100	7630

$\cdot 2 \left\{ \begin{array}{l} 2 \\ 1 \end{array} \right. \begin{array}{l} 752,60 \\ 76,30 \end{array} \begin{array}{l} \downarrow : 2 \\ \downarrow \cdot 100 \end{array}$
 $\cdot 100 \left\{ \begin{array}{l} 100 \\ 100 \end{array} \right. \begin{array}{l} 752,60 \\ 7630 \end{array} \begin{array}{l} \downarrow : 2 \\ \downarrow \cdot 100 \end{array}$

32)

%	€
119	761,60
1	6,4
100	640

$\cdot 119 \left\{ \begin{array}{l} 119 \\ 1 \end{array} \right. \begin{array}{l} 761,60 \\ 6,4 \end{array} \begin{array}{l} \downarrow : 119 \\ \downarrow \cdot 100 \end{array}$
 $\cdot 100 \left\{ \begin{array}{l} 100 \\ 100 \end{array} \right. \begin{array}{l} 761,60 \\ 640 \end{array} \begin{array}{l} \downarrow : 119 \\ \downarrow \cdot 100 \end{array}$

34) $495 - 334 = 161€$

a)

€	%
495	100
1	0,20
161	32,5

$\cdot 495 \left\{ \begin{array}{l} 495 \\ 1 \end{array} \right. \begin{array}{l} 100 \\ 0,20 \end{array} \begin{array}{l} \downarrow : 495 \\ \downarrow \cdot 161 \end{array}$
 $\cdot 161 \left\{ \begin{array}{l} 161 \\ 161 \end{array} \right. \begin{array}{l} 100 \\ 32,5 \end{array} \begin{array}{l} \downarrow : 495 \\ \downarrow \cdot 161 \end{array}$

Endpreis = 67,5%
Nom. Ursprüng.

b)

€	%
495	100
1	2,90
90	90

$\cdot 495 \left\{ \begin{array}{l} 495 \\ 1 \end{array} \right. \begin{array}{l} 100 \\ 2,90 \end{array} \begin{array}{l} \downarrow : 100 \\ \downarrow \cdot 90 \end{array}$
 $\cdot 90 \left\{ \begin{array}{l} 495 \\ 445,50 \end{array} \right. \begin{array}{l} 100 \\ 90 \end{array} \begin{array}{l} \downarrow : 100 \\ \downarrow \cdot 90 \end{array}$

Ende Dezember = 90% = 445,50€

c) $445,50 - 334 = 111,50€$

€	%
445,50	100
1	0,2514
111,50	25

$\cdot 445,50 \left\{ \begin{array}{l} 445,50 \\ 1 \end{array} \right. \begin{array}{l} 100 \\ 0,2514 \end{array} \begin{array}{l} \downarrow : 445,50 \\ \downarrow \cdot 111,50 \end{array}$
 $\cdot 111,50 \left\{ \begin{array}{l} 111,50 \\ 111,50 \end{array} \right. \begin{array}{l} 100 \\ 25 \end{array} \begin{array}{l} \downarrow : 445,50 \\ \downarrow \cdot 111,50 \end{array}$

Senkung = 25%

35)

%	Pers
100	2466
0,0405	1
57,6	1420

$\cdot 2466 \left\{ \begin{array}{l} 100 \\ 0,0405 \end{array} \right. \begin{array}{l} 2466 \\ 1 \end{array} \begin{array}{l} \downarrow : 2466 \\ \downarrow \cdot 1420 \end{array}$
 $\cdot 1420 \left\{ \begin{array}{l} 1 \\ 57,6 \end{array} \right. \begin{array}{l} 2466 \\ 1420 \end{array} \begin{array}{l} \downarrow : 2466 \\ \downarrow \cdot 1420 \end{array}$

d) 258 Briefwähler
 $= \frac{258}{1420} \cdot 100 = 18,17\%$ der Wähler

$= \frac{258}{2466} \cdot 100 = 10,46\%$ aller Wähler.

b)

CDU =	9
SPD =	3
FDP =	2
Freie Wähl. =	9
Rest =	X

d)

Parteien	CDU	SPD	FDP	Freie	Sonstige
Stimmen	4287	1417	671	4011	220
%	40,4	13,4	6,3	37,8	2,1