Exercise Sheet 1: percentage – and interest calculation part 1

Exercise content	Simple formula, percentage calculation
Exercise file	3.2.1_percent1
Result file	3.2.1_percent1_R

Sonja wants to buy a new bicycle for 857 €. Because of a fault with the varnish the salesperson grants a discount of 18%. How much € will Sonja save?

Open the file "percent1" and the worksheet "purchase of bicycle".

	A	B	C	D
1	**Sonjas bicycle**			
2				
3	basic value B	percentage p	percentage value P	
4				
5				
6				
7				
8				

Fill in the value for the basic value and the percentage.
Calculate the percentage value with the help of the formula P= (B*p)/100.
(Attention: the percentage p will be included to the calculation as a percentage number)

	A	B	C	D
1	**Sonjas bicycle**			
2				
3	basic value B	percentge p	percentage value P	
4	€857	18%	€ 154,26	
5				
6				
7				
8				

Sven buys a DVD-Player for 100,80 € in sale. That is 70 % of the original price. How much did the DVD-Player cost before?

Activate the worksheet "DVD-Player".

Enter the percentage and the percentage value.

	A	B	C
1	**Svens DVD-Player**		
2			
3	**percentage value P**	**percentage p**	**basic value B**
4			
5			
6			

Calculate the basic value B with the help of the formula: B= (P*100)/p
(Attention: The percentage is already marked as percentage. You have to adjust the formula!)

	A	B	C
1	**Svens DVD-Player**		
2			
3	**percentage value P**	**percentage p**	**basic value B**
4	€ 100,80	70%	€ 144,00
5			
6			

Mrs. Schmidt receives a credit amounting to 2000 €, which she wants to pay back after one year. Therefore she has to pay 115 € for interest. Which interest rate does the bank charge?

Please open the table "interest rate of the bank"

	A	B	C
1	**Mrs. Schmidts credit**		
2			
3	**interest I**	**capital C**	**rate if interest p**
4			
5			
6			

Fill in the values of I and C and calculate the rate of interest p with the help of the formula p = (I*100)/C

	A	B	C
1	**Mrs. Schmidts credit**		
2			
3	**interest I**	**capital C**	**rate of interest p**
4	€ 115,00	€ 2.000,00	5,75%
5			
6			

Alex has invested money for one year. The bank grant him a rate of interest of 2,75 %. For that he received interest in amount of 99€ after one year. How much money did he invest?

Please open the table "Alex' interests".

	A	B	C
1	**Alex' interest**		
2			
3	**interest I**	**percentage p**	**capital C**
4			
5			
6			

Fill in the values of I and p and calculate the capital C with the aid of the formula C= (I*100)/p.

	A	B	C
1	**Alex' interest**		
2			
3	**interest I**	**percentage p**	**capital C**
4	€ 99,00	2,75%	€ 3.600,00
5			
6			