1. The currency trader's quotation of the USD/EUR exchange rate for the client | At what rate, you as his client, will you sell EUR expressed in USD?

USD/EUR	bid 1.1824	<	ask 1.1839	(bid exchange rate has to be alway
	You will sell 1 E	UR for t	the 1.1824 USD.	(Trader buys => client sells at bid e

has the following form: 1.1824/39 (bid/ask).

/s lower than ask exchange rate)

exchange rate)

2. The bank is quoting the following CZK bid and ask exchange rate. Calculate th

	bid	ask
EUR/CZK	0.0375	0.0425

$$CZK/EUR_{BID} \Rightarrow B(K/L) = \frac{1}{A(L/K)} = \frac{1}{A(L/K)} = \frac{1}{0,0425 EUR/CZK} = 23.52941 CZK/EUR$$

$$CZK/EUR_{ASK} \Rightarrow A(K/L) = \frac{1}{B(L/K)} = \frac{1}{0,0375 EUR/CZK} = 26.66667 CZK/EUR$$

Bid has to be lower than Ask!!!

	BID	<	ASK
CZK/EUR	23.52941	<	26.66667

e bid and ask exchange rate for EUR (four decimal places).

 $A(K/L) = \frac{1}{B(L/K)} B(K/L) = \frac{1}{A(L/K)}$

 $\overline{\zeta}$

3. Bank's dealer is quoting the following EUR exchange rates. Calculate the midd

USD/EUR	1.2758	1.2766		
middle rate	<u>= (1,2766 USD/EUR</u>	- 1,2758 USD/EUR)	=	1.2762
	2	2		
spred in absolute terms	= 1,2766 USD/EUR	-1.2758 USD/FUR	0.0008	=> 8 pips
	1,2,00,000,201	1,2,00 000,201		
spread in %	= <u>(1,2766 USD/EUR</u>	<u>- 1,2758 USD/EUR)</u> *100	=	0.00063
	1,2766 U	SD/EUR		

le rate and the spread in absolute and percentage terms.

$$S(L/K) = \frac{A(L/K) + B(L/K)}{2} \qquad \text{\% spread} \ (L/K)$$

USD/EUR

*100 = 0.0627%

$'K) = \frac{A(L/K) - B(L/K)}{A(L/K)} * 100$

4. The exchange rate of the euro (EUR) in the basic and current periods is specified a Calculate the exchange rate of the Czech koruna (CZK) in both periods and the perce Determine which currency has been appreciated and which has been depreciated.

E0 E1	27.70 CZK/EUR 26.14 CZK/EUR			i
Δ EUR:		J <u>R-27,7 CZK/EUR)</u> = CZK/EUR	-0.05632 =>	Δ EUR in %:
Euro depre	ciated against Czech koru	na by 5,63 %.		
EUR/CZK e>	change rate calculation:			
E0 =	=1/27,7 CZK/EUR =	0.036101 EUR/CZK		
E1 =	=1/26,14 CZK/EUR =	0.038256 EUR/CZK		
změna CZK:		R/CZK-0,036101 EUR/CZK) = 101 EUR/CZK	= 0.05968 =>	Δ CZK in %:

Czech koruna apreciated against Euro by 5,97 %.

s follows. ntage change in the foreign exchange rate in both cases.

$$\Delta S \% = \frac{S_1 - S_0}{S_0} * 100$$

-5.63%

5.97%

5. Škoda Auto company has expected income cash flows of 125 000 PLN from busines

CZK/PLN	6.2175	6.3543	(we will se	ell the PLN to the deale
Income cash flows in CZK	= 125 000 <u>PL</u>	<mark>√ x 6,2175 CZK</mark>	=	777187.5 CZK

///18/.5 CZK

s in Poland. What are the expected cash flows in CZK?

er at bid exchange rate)

6. Arcelor Mittal Tubular Products Karviná needs to buy 1 000 000 GBP to pay

CZK/GBP		29.8122	29.8538	(we will buy the GBP f
Costs in CZK	=	1 000 000 <u>GBP x 29,8538</u> 1 GBP	<u>3 CZK</u> =	29853800 CZK

y for the delivery. What will be the costs in CZK?

from the dealer at ask exchange rate)