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?

bid < ask (bid exchange rate has to be alway USD/EUR 1.1824 1.1839

You will sell 1 EUR for 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

ask

bid

EUR/CZK 0.0375 0.0425

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

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

Bid has to be lower than Ask!!!

BID < ASK

CZK/EUR 23.52941 < 26.66667

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

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



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

USD/EUR

1.2758

1.2766

middle rate = (1,2766 USD/EUR - 1,2758 USD/EUR) = 1.2762

spread in %

= (1,2766 USD/EUR - 1,2758 USD/EUR) *100 = **0.00063**

1,2766 USD/EUR

le rate and the spread in absolute and percentage terms.

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

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 perceipetermine which currency has been appreciated and which has been depreciated.

E0 27.70 CZK/EUR E1 26.14 CZK/EUR

Δ EUR: = (26,14 CZK/EUR-27,7 CZK/EUR) = -0.05632 => Δ EUR in %: 27,7 CZK/EUR

Euro depreciated against Czech koruna by 5,63 %.

EUR/CZK exchange rate calculation:

E0 =1/27,7 CZK/EUR = 0.036101 EUR/CZK E1 =1/26,14 CZK/EUR = 0.038256 EUR/CZK

změna CZK: = $\frac{(0,038256 \text{ EUR/CZK-}0,036101 \text{ EUR/CZK})}{0,036101 \text{ EUR/CZK}} = 0.05968 \Rightarrow \Delta \text{ CZK in }\%$:

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 sell the PLN to the deale

Income cash flows in CZK = $125\ 000\ \frac{\text{PLN} \times 6,2175\ \text{CZK}}{1\ \text{PLN}}$ = **777187.5 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 CZK</u> = **29853800 CZK**

1 GBP

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

from the dealer at ask exchange rate)