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

|  | bid | ask | (bid exchange rate has to be alway |
| :--- | ---: | ---: | :--- |

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)
:xchange rate)

## 2. The bank is quoting the following CZK bid and ask exchange rate. Calculate th bid <br> ask <br> EUR/CZK <br> 0.0375 <br> 0.0425

$\mathrm{CZK} / \mathrm{EUR}_{\mathrm{BID}}=>\quad B(K / L)=\frac{1}{A(L / K)}$
$=\frac{1}{0,0425 \text { EUR/CZK }}=23.52941 \mathrm{CZK} / \mathrm{EUR}$
$\mathrm{CZK} / \mathrm{EUR}_{\mathrm{ASK}}=>\quad A(K / L)=\frac{1}{B(L / K)}$
$=\frac{1}{0,0375 \text { EUR/CZK }}=26.66667 \mathrm{CZK} /$ EUR

Bid has to be lower than Ask!!!

CZK/EUR

| BID | $<$ | ASK |
| :--- | :--- | :--- |
| 23.52941 | $<$ | 26.66667 |

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

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

₹)

le rate and the spread in absolute and percentage terms.

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

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 perce Determine which currency has been appreciated and which has been depreciated.

| EO | 27.70 CZK/EUR |
| :--- | :--- |
| E1 | 26.14 CZK/EUR |

$\Delta$ EUR: $\quad=\frac{(26,14 \text { CZK/EUR-27,7CZK/EUR })}{27,7 \text { CZK/EUR }}=\quad-0.05632 \Rightarrow \quad \Delta E U R$ in $\%:$
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: $\quad=\frac{(0,038256 \text { EUR/CZK- } 0,036101 \mathrm{EUR} / \mathrm{CZK})}{0,036101 \mathrm{EUR} / \mathrm{CZK}}=0.05968 \Rightarrow \quad \Delta \mathrm{CZK}$ in \%:

Czech koruna apreciated against Euro by 5,97 \%.
s follows.
stage change in the foreign exchange rate in both cases.

-5.63\%

## 5. Škoda Auto company has expected income cash flows of 125000 PLN from busines CZK/PLN 6.2175 6.3543 (we will sell the PLN to the deals <br> Income cash flows in CZK $=125000 \frac{\text { PLN } \times 6,2175 \mathrm{CZK}}{1 \text { PLA }}$ <br> 777187.5 CZK

s in Poland. What are the expected cash flows in CZK?
$\supseteq r$ at bid exchange rate)

## 6. Arcelor Mittal Tubular Products Karviná needs to buy 1000000 GBP to pa)



## v for the delivery. What will be the costs in CZK?

'rom the dealer at ask exchange rate)

