# Exercise 2015-8ƐH-00004(1)

(1) Calculate the following if SP → selling price and cost price → CP:

(a) CP if SP = R3 400 with a profit of 10%.
(b) Profit/loss percentage, to 2 dec. if CP = R280 and SP = R260.
(c) SP if the CP = R133,50 with a profit percentage of 4%.
(d) Profit if the SP = R3$x$ and the CP = R$x$.

(2) If the exchange rate is \$1 = R7,61, calculate:

(a) how many \$ will be equal to R367?
(b) how many \$ will be exchanged for R28 000?
(c) how many rand are equal to \$1 400?

(3) Calculate the exchange rate if:

(a) R100 = \$15,19.
(b) R3 429 = £252,50.
(c) €1 000 = R8 765,45.

(4) The interest earned on R4 500 invested for 6 years, is R2 214. Calculate the interest rate at simple interest.

(5) A fine has to be paid if a municipal bill is settled late. The fine that has to be paid is 0,06% per day for each day of late payment. If Colin's bill is settled 7 days late, calculate the fine he has to pay. His overdue bill is R787,10.

(6) Roshwin is on his way for an overseas business visit. He will visit America and there-after England. He budgets R30 000 for daily costs while oversees. He decides to exchange the whole R30 000 for American dollars. In America he spends \$1 984. The exchange rate is as follows:\$1 = R6,85 and £1 = R10,12.

(a) Calculate the amount of dollars that Roshwin will have left if he leaves America.
(b) Determine the exchange rate of \$ to £.
(c) How many £ will Roshwin have to spend in England?