Exercise 2015-8ƐH-00005(2)

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

(a) SP if the CP = R230 000 with a loss of 18%.
(b) Loss/profit if SP = R520,56 and CP = R481,44.
(c) CP if SP = R900 and a profit percentage of 20%.
(d) CP if CP : SP = 2 : 3 and if the SP = R711.

(2) If the exchange rate is: pula = 0,92 : 1, calculate:

(a) how many pula are equal to 1 rand.
(b) how many rand can be exchanged for 300 pula.
(c) how many pula can be exchanged for R3 456.
(d) how many dollar can be exchanged for 6 000 pula, if \$1 = R6,66.

(3) Calculate the simple interest earned if:

(a) R400 are invested for 6 years at 8% pa.
(b) R2 569 are invested at 12,1% pa for 18 years.
(c) R890 are invested at 0,7% pm for 20 months.

(4) Samuel decides to invest 40% of his annual bonus. His bonus for December 2008 is R12 400. If he will earn 7,4% p.a, simple interest, calculate the amount available to him (in his bonus investment) at the time that he receives his bonus in December 2010.

(5) R8 500 is invested for $3\frac{1}{2}$ years at 6% pa, simple interest. After the $3\frac{1}{2}$ years the accumulated amount will be invested for a further $2\frac{1}{2}$ years at a simple interest rate of 6,5% pa.
Calculate the accumulated amount after the six years.

(6) In March 2009 the average exchange rate was R1 = \$0,116 and in March 2010 the average exchange rate was \$1 = R8,98. For which year was the rand at its strongest opposed to the dollar?