

Answers

Activity 1

- a. Starship Enterprises
- b. 4 years, 11 months
- c. $48\,350 \div 30 = R1\,611.67$ per day
- d. $48\,350 - 14\,574.50 = R33\,775.50$
- e. $483.50 \div 48\,350 \times 100 = 1\%$
- f. $483.50 \times 2 = R967$ total UIF contributions
- g. $13\,236 \times 12 = R158\,832$ tax per year

Activity 2

1. Mrs Angela Thembo
2. October 2017
3. Multichoice account / DSTV subscription and Explora Premium Payment Plan
4. R29
5. R884
6. $849 + 99 + 699 - 29 + 80 + 35 + 29,50 - 64,50 - 849 + 35 = R884$
7. 1 October 2017
8. R849 – this is the opening balance
9. $35 + 29,50 = R64.50$
10. If the device breaks or is stolen, the insurance company can replace it for a lot less money than it would cost to buy a brand new device.
11. No – there is no due date given for the account.

Activity 3

1.
 - a. 1 year and 1 month / 1 year and 20 days
 - b. 1 April 2017
 - c. $19 \times 12 = 228$ months remaining on the loan term
 $228 \times 9\,168.70 = R2\,090\,463.60$
 - d. $2\,090\,463.20 - 820\,000 = R1\,270\,463.20$
 - e. Interest
 - f. If the bond holder pays extra, the amount of interest added each month decreases because the amount owed on the loan will be less. The home owner will pay less money in the long term.
 - g. If the homeowner dies, there will be nobody to pay off the loan. The life insurance will be used to pay off the loan so the bank does not lose any money.
2.
 - a. R817 015.70

- b. R812 802.22
- c. $817\ 015.70 - 812\ 802.22 = R4\ 213.48$
- d. R28 350.81
- e. Although R28 350.81 was paid into the loan, it only decreased by R4 213.48. This is because a large amount of interest is added to what is owed after each payment, increasing the amount owed every month.
- f. Vatable transactions = R171
 $0.14 \times 171 = R23.94$

Activity 4

- 1. $1\ 037,93 + 7,18 + 114,57 + 337,52 = 1\ 497,20$
 $0.14 \times 1\ 497,20 = R209,61$
- 2. $28\ \text{kL} \div 28\ \text{days} = 1\ \text{kL per day}$
- 3. $1\ \text{kL} = 1\ 000\ \text{L}$
- 4. $209.61 + 140.61 + 28.98 = R379.20$
- 5. $654,93 + 1\ 706,81 + 1\ 144,99 + 235,98 = R3\ 742,71$
- 6. $(525.66 \times 1.1065) + (359.333 \times 1.2698) = R1\ 037.93$
- 7. Electricity and water are charged using “stepped tariffs” which means that a certain amount of water or electricity used is charged at one price. Once that amount is exceeded, the next amount used is charged at a new price in a new “step”. If that amount is exceeded, it is then charged at “step 3” prices and so on.