Excel for Data Analytics Assessment: 14.02.2025

Use the 'Class Dataset_Assessment_14.02.2025' (sent on the group) file for the entire assessment. All work should be done on the workbook. Please email the workbook to anyway@ortsa.org.za

Section A: 25 Marks Total

Analyse the 'Marks' worksheet and answer the following:

1. Calculate and complete the worksheet values for the following:
   a) Total Marks column   [2]
   b) Average column   [2]
   c) Youngest age in class   [2]
   d) Mary's total mark   [2]
   e) Number of Ncobos in the class   [2]
2. Grade each student in the class according to the following grading system:
   - Less than 50: Fail
   - 50 – 60: Pass
   - 61 – 74: Credit
   - 75 – 100: Distinction   [10]
3. Visualise the class's performance using a Clustered Column chart showing:
   - Each student's first name
   - Total mark
   - Title of the graph   [5]

Section B: 25 Marks Total

Analyse the 'Online Store' worksheet and answer the following business questions:

4. What was the distribution of product quantities per country?   [5]
5. What is the price of the product with stock code 84707B?   [5]
6. Use the 'Business Case' worksheet to determine what needs to change in terms of product cost if the business owner wants to increase the profit margin on a product from the current to 60%.   [10]

7. Analyse the 'Project' worksheet and distribute a budget across several projects, with the following constraints:

- The total budget should not go over R105,000
- Extra costs should not exceed R2,000.
- Fixed costs must remain at R4,000.
- Total project cost for each project should not exceed R13,800.   [10]