Year 10 STAR Mathematics

Assessment Task 1 – 2024

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| **TOPICS**: Percentages / Decimals / Fractions  Financial Mathematics | **MARKS:** 40 |
| **NOTIFICATION TASK ISSUED:** Term 1 – Week 9 – Wednesday 27th March  **DATE OF TASK:** Term 1 – Week 11 – Wednesday 10th April  **DURATION:** 30 minutes | |
| **OUTCOMES TO BE ASSESSED:**  **MA2-7NA**  represents, models and compares commonly used fractions and decimals  **MA3-7NA**  compares, orders and calculates with fractions, decimals and percentages  **MA4-5NA**  operates with fractions, decimals and percentages  **MA5.1-1WM** uses appropriate terminology, diagrams and symbols in mathematical contexts  **MA5.1-2WM** selects and uses appropriate strategies to solve problems  **MA5.1-3WM** provides reasoning to support conclusions that are appropriate to the context  **MA5.1-4NA** solves financial problems involving earning, spending and investing money | |
| **DIRECTIONAL VERBS:**  **Complete –** having all the necessary or appropriate facts, figures or information  **Calculate –** Ascertain/determine from given facts, figures or information | |
| **TASK DESCRIPTION:**  Assessment Task 1 is an in-class examination consisting of:   * Percentages, Decimals and Fractions Q1 – Q8 (20 marks) * Financial Mathematics: Q9– Q16 (20 marks)   The examination will be conducted in a one period lesson.   * Students are allowed to use their Mathematics books to complete the examination (OPEN BOOK) * Students will be given one period of class time to create the summary sheet. If you are absent on this day, it is your responsibility to seek assistance from your teacher outside of class time. * No other notes or books can be used during the exam. * CALCULATORS can be used in this examination. Remember to bring your own calculator with you to the examination. There is no guarantee you will be able to borrow a calculator.   Equipment required:  **Ruler - Pen - Pencil – Eraser** and **CALCULATOR**  Revision will be given in class. If you are absent when revision is given, it is your responsibility to seek assistance from your teacher outside of class time. Revision material is also available on CANVAS.  **Students are encouraged to review the following concepts:**   |  |  | | --- | --- | | **Financial Mathematics** | **Percentages, Decimals and Fractions** | | * Wages and Salaries * Overtime * Gross, Net Pay and Deductions * Commission * Leave Loading * Profit and loss | * Converting a percentage to a decimal and fraction * Converting a decimal to a percentage and fraction * Converting a fraction to a percentage and decimal * Increase and decreasing a percentage * Problems involving percentages | | |
| **ASSESSMENT CRITERIA:**  You will be marked on your ability to answer the questions correctly. Show relevant mathematical working, reasoning and/or calculations. | |

**IMPORTANT:**

* Any instances of plagiarism or cheating will be referred to the Head Teacher of Mathematics and a mark of zero would be awarded.
* ABSENCE / MISADVENTURE INSTRUCTIONS: If you are absent from school on the day the task is to be completed, on your return to school you are required, to submit a misadventure form with all documentation attached and submit the form to your teacher. You will then be required to sit for the task on your return to school.
* In the case of an N Warning, you will be awarded a mark of zero but still be required to submit the completed task to clear the N warning.