Assessment Task for Stage 6: Preliminary

Subject: General Mathematics

THIS ASSESSMENT TASK CAN BE FOUND ON THE COLLEGE WEBSITE UNDER THE LEARNING AND TEACHING TAB

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<td>1</td>
<td>Thursday 2\textsuperscript{nd} April 2015</td>
<td>20%</td>
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<td>Week 10 Term 1</td>
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<td>Note change of date from schedule</td>
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Submission Instructions

- This is an in-class task which will be completed in the school hall during **period 4 and 5**
- Penalty for non attendance
  - On the date of the assessment will immediately receive a 50% mark penalty of the achieved mark pending Illness/Misadventure certification.
  - On the day following the assessment will receive a zero mark pending Illness/Misadventure certification.

Outcomes being Assessed

- MGP-1 uses mathematics and statistics to compare alternative solutions to contextual problems
- MGP-2 represents information in symbolic, graphical and tabular form
- MGP-3 represents the relationships between changing quantities in algebraic and graphical form
- MGP-6 models financial situations relevant to the student’s current life using appropriate tools
- MGP-9 uses appropriate technology to organise information from a limited range of practical and everyday contexts
- MGP-10 justifies a response to a given problem using appropriate mathematical terminology
TASK DETAILS

1. **Description of the Task**

You are asked to:

- Complete a class test of 55 minutes duration covering the topics – **Earning and Managing Money** and **Algebraic Manipulation**. You will be expected to show steps of working as done in class. Marks will be deducted for careless or badly arranged work.
- Attempt **all** questions on the test paper. Allocated marks will be shown on the paper.
- Bring your own pens, pencils, Board of Studies approved calculator, ruler, eraser and stapler. There is to be no borrowing of equipment during the test.
- The test will be handed up separately in two sections – Section A and Section B.

**Subject Specific Terminology:** allowance, annual leave, annual leave loading, budget, commission, deduction, double-time, earnings, gross pay/gross income, income, net pay, overtime, penalty rate, piecework, royalty, salary, time-and-a-half, wage; algebraic expression, equation, evaluate, expand, formulae, linear, simplify, solution, solve, substitute

2. **Classroom Learning:**

Students will be prepared to effectively complete this task through:

- **Learning to (skills)**
  - Calculate income paid as wages, salaries, commission, piecework, royalties, allowances and leave loading
  - Calculate net pay following deductions from gross pay
  - Evaluate a prepared budget
  - Simplify and expand expressions involving the four operations and/or grouping symbols
  - Evaluate an expression or formula through substitution of numerical values
  - Solve linear equations involving two steps

- **Learning about (knowledge)**
  - The range of ways in which individuals earn and manage their money
  - Using the four operations to simplify algebraic expressions
  - Evaluating an expression or formula through substitution of numerical values
  - Solving linear equations involving two steps

- **Terms** used in the assessing of this task: calculate, evaluate, expand, simplify, solve

3. **Marking Criteria**

- The marking criteria will be on the solutions when the task is handed back.