Boorowa Central School

Excellence through Respect, Responsibility and Participation

Assessment Task Notification

All tasks should be clearly outlined in the notice and give information pertaining to the nature of the task, the outcomes being assessed and the marking schedule giving individual component weightings.

Teacher: J Poplin	**Course:** Mathematics 5.2/5.3
Task and Number: Yearly Examination 5	**Task Weighting: 30 %**
Date Issued: 29th October 2020	**Date Due: 12th November 2020**

Syllabus component:

Yearly Examination

Syllabus outcomes being assessed:

You will be assessed on the 5.1, 5.2 and 5.3 outcomes (allows students to consider enrolling in Standard or Advanced Mathematics in Stage 6)

5.1-1WM uses appropriate terminology, diagrams and symbols in mathematical contexts
5.1-2WM selects and uses appropriate strategies to solve problems
5.1-3 WM provides reasoning to support conclusions that are appropriate to the context
5.2-1 WM selects appropriate notations and conventions to communicate mathematical ideas and solutions
5.2-2 WM interprets mathematical or real-life situations, systematically applying appropriate strategies to solve problems
5.2-3 WM constructs arguments to prove and justify results
5.3-1 WM uses and interprets formal definitions and generalisations when explaining solutions and/or conjectures
5.3-2WM generalises mathematical ideas and techniques to analyse and solve problems efficiently
5.3-3 WM uses deductive reasoning in presenting arguments and formal proofs
5.1-12SP uses statistical displays to compare sets of data, and evaluates statistical claims made in the media
5.2-15SP uses quartiles and box plots to compare sets of data, and evaluates sources of data
5.3-18SP uses standard deviation to analyse data
5.3-19SP Investigates the relationship between numerical variables using lines of best fit, and explores how data is used to inform decision-making processes
5.2-14 MG calculates the angle sum of any polygon and uses minimum conditions to prove triangles are congruent or similar
5.3-16MG proves triangles are similar, and uses formal geometric reasoning to establish properties of triangles and quadrilaterals
5.1-4NA solves financial problems involving earning, spending and investing money
5.2-4NA solves financial problems involving compound interest
5.3-9NA Sketches and interprets a variety of non-linear relationships
5.3-9NA Sketches and interprets a variety of non-linear relationships
5.2-10NA Connects algebraic and graphical representations of simple non-linear relationships
5.3-12NA Uses function notation to describe and sketch functions

Description of task:

Exam held during class time covering all topics done this year with emphasis on semester 2 topics: Algebraic techniques, single variable data analysis, non-linear relationships and equations. A mixture of multiple choice, short answer and extended solution type questions. Students will need to bring pen, pencil, ruler, calculator and eraser.

Submission of Task requirements:
To sit and complete the exam to the best of their ability.

Assessment Task - Marking Criteria

Provided on the Exam

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