

Year 12 NUMERACY Mathematics

**Assessment Task 1 2025**

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| **TOPICS**: Rates & Ratios, Probability, and Location, Space and Design | **Marks: / 50** | | |
| **SUBMISSION REQUIREMENTS:**  The completed assignment MUST be handed in, in paper copy, to your teacher **no later than 11:00, Friday May 13th (Week 7).** | **WEIGHTING: 25%** | **COMPONENTS** | |
| Understanding fluency and communication **15%** | Problem solving, Reasoning & Justification **10%** |
| **TASK DESCRIPTION:**  You have been selected to participate in the planning for a fundraiser fun fair for Year 12. Your task includes organising the event. There will be games, food stalls and activities. You need to make decisions using probability, graphs and rates and ratios to ensure the event is successful, fair, and cost-effective.  **ASSESSMENT CRITERIA**  The assessment of your response to this task will be based on:   * your application of numeracy knowledge and skills (including all working outs) * your numerical reasoning and mathematical thinking (NRMT) * your use of technology to investigate and solve problems. | | | |
| **OUTCOMES TO BE ASSESSED:**  **N6-1.1:** **Recognises and applies** functional numeracy concepts in *practical situations*, including personal and community, workplace and employment, and education and training contexts.  **N6-2.1:** **Chooses and applies** appropriate operations with whole numbers, familiar fractions and decimals, percentages, *rates and ratios* to analyse and solve everyday problems  **N6-2.3:** **Chooses and applies** efficient strategies to analyseand solve everyday problems involving data, graphs, tables, statistics and *probability.*  **N6-2.5:** **chooses** and **applies** efficient strategies to analyse and solve everyday problems involving *location, space and design.*  **N6-3.1:** **Chooses and uses** *appropriate technology* to access, organise and interpret information in a range of practical personal and community, workplace and employment, and education and training contexts. | | | |
| **DIRECTIONAL VERBS:**  **Recognises:** identify a concept, pattern, object or relationship presented in a mathematical context.  **Applies:** use, utilise, employ in a particular situation.  **Choose:** select from various mathematical strategies or options to solve a problem.  **Uses:** find or calculate an exact value, solution, or result based on the given information or conditions. | | | |