**Sample Assessment Outline**

Mathematics

Foundation Year 12

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# Sample assessment outline

# Mathematics – Foundation Year 12

## Unit 3 and Unit 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assessment type** | **Assessment  type  weighting** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Response | 40% | 5% | Semester 1  Week 4 | **Task 2:** Skills test – solve real-life problems involving the four operations: whole numbers and money |
| 5% | Semester 1  Week 6 | **Task 3:** Skills test – solve real-life problems involving percentages and spreadsheets |
| 5% | Semester 1  Week 9 | **Task 5:** Skills test – solve real-life problems involving the four operations: fractions and decimals |
| 5% | Semester 1  Week 16 | **Task 9:** Match and interpret photos, plans and models involving 2D and 3D shapes |
| 4% | Semester 2  Week 3 | **Task 10:** Solve a range of problems involving rates in authentic situations |
| 4% | Semester 2  Week 5 | **Task 12:** Solve a range of problems involving ratios in authentic situations |
| 4% | Semester 2  Week 6 | **Task 13:** Interpret and make inferences from statistical data and graphs; use spreadsheets to construct graphs and charts |
| 4% | Semester 2  Week 7 | **Task 14:** Determine and interpret averages in everyday contexts |
| 4% | Semester 2  Week 8 | **Task 15:** Make predictions and decisions based on probability |

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| --- | --- | --- | --- | --- |
| **Assessment type** | **Assessment  type  weighting** | **Assessment**  **task**  **weighting** | **When** | **Assessment task** |
| Practical applications | 45% | 4% | Semester 1  Week 1 | **Task 1:** Use the mathematical thinking process to determine the catering budget for a fundraising barbecue |
| 5% | Semester 1  Week 7 | **Task 4:** Use a calculator or spreadsheet to compare the interest on the principal of a bank loan for a car, for different amounts, interest rates and/or duration |
| 5% | Semester 1  Week 13 | **Task 6:** Use the mathematical thinking process to plan for a journey on public transport from home to a cinema to watch a movie at a specific time |
| 5% | Semester 1  Week 15 | **Task 8:** Use virtual software to design a space with placement of furniture/equipment |
| 5% | Semester 2  Week 4 | **Task 11:** Mix different concentrations of fluid based on ratios |
| 7% | Semester 2  Week 9–10 | **Task 16:** Start a new job: income, travel itinerary, getting there on time and travel expenses |
| 7% | Semester 2  Week 11–13 | **Task 17:** Use plans and scale diagrams to landscape a space within a budget |
| 7% | Semester 2  Week 14–16 | **Task 18:** Use statistical data to plan the date for an outside community event based on the predictability of weather (temperature and rainfall) |
| Externally  set task | 15% | 15% | Semester 1  Week 14 | **Task 7:** Externally set task <insert content determined by the School Curriculum and Standards Authority> |
| **Total** | **100%** | **100%** |  |  |