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|  | A (6 marks) | B (4 marks) | C (3 marks) | D (2 marks) |
| Identifies and organises relevant information | Identifies the underlying assumptions related to the relevant mathematics of an investigation. | Identifies suitable variables and constant parameters related to various aspects of an investigation. | Identifies some mathematical content related to various aspects of an investigation in a given context. | Identifies limited mathematical content of an investigation. |
|  | A (12 marks) | B (8 marks) | C (6 marks) | D (4 marks) |
| Chooses effective models and methods | Produces results, carries out analysis and generalises in situations requiring investigative techniques. | Attempts to analyse and calculate specific cases of generalisation in situations requiring investigative techniques. | Select appropriate methods to carry through a single thread of reasoning in situations requiring investigative techniques. | Makes some attempt to select appropriate methods in situations requiring investigative techniques. |
|  | A (10 marks) | B (7 marks) | C (5 marks) | D (3 marks) |
| Follows mathematical conventions and accuracy | Selects, extends and applies mathematical and/or statistical procedures to investigate a problem. | Selects and applies mathematical and/or statistical procedures previously learnt to investigate a problem. | Selects and applies, with direction, mathematical and/or statistical procedures previously learnt to investigate a problem. | Attempts to apply statistical procedures to a problem. |
|  | A (6 marks) | B (4 marks) | C (3 marks) | D (2 marks) |
| Links mathematical results to data and contexts to reach reasonable conclusions | Considers the strengths and limitations of an investigation and refines the results to make sensible conclusions. | Uses examples in mathematical analysis of an investigation and draws valid conclusions related to a given context. | Make inferences from analysis and uses these to draw conclusions related to an investigation. | Draws some conclusions from the results of an investigation. |
|  | A (6 marks) | B (4 marks) | C (3 marks) | D (2 marks) |
| Communicates mathematical reasoning, results and conclusions | Communicates investigation findings with a comprehensive interpretation of mathematical results in the context of the investigation. | Communicates investigation findings in a systematic and concise way using mathematical language and relating the solution to the original problem or statement. | Communicates investigation findings in a systematic way using some mathematical expression and everyday language. | Offers simple conclusions that are not supported by data or calculations |