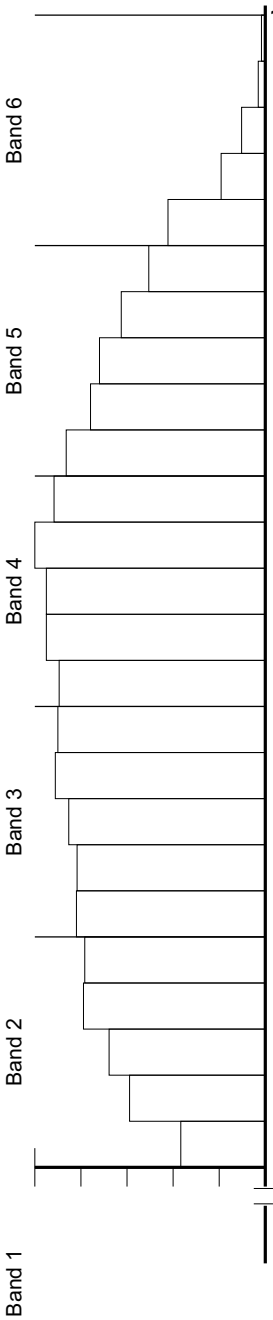
2016 Course Report

BOSTES

BOARD OF STUDIES
TEACHING & EDUCATIONAL
STANDARDS NSW

Mathematics General 2

State Distribution | **The typical performance in this band:**



100

Selects appropriate mathematical concepts, skills and techniques consistently and uses them accurately. Uses a wide variety of problem-solving strategies to solve mathematical problems across a wide range of familiar and unfamiliar contexts. Applies sounds reasoning to evaluate and efficiently construct mathematical arguments in familiar and unfamiliar contexts and to accurately interpret and analyse mathematical models. Uses symbols, numbers, words, diagrams and graphs to clearly and effectively communicate mathematical ideas and reasoning. Analyses representations of data to make predictions, inferences and conclusions. Makes and justifies informed decisions about financial situations. Carries out statistical processes to analyse, interpret and compare data. Solves problems involving uncertainty using the basic principles of probability.

90

Uses mathematical concepts, skills and techniques accurately. Uses a variety of problem-solving strategies to solve mathematical problems across a range of familiar and unfamiliar contexts. Applies sound reasoning to evaluate and construct mathematical arguments in familiar and unfamiliar contexts and to interpret and analyse mathematical models. Uses symbols, numbers, words, diagrams and graphs to communicate mathematical ideas and reasoning. Interprets representations of data to make predictions, inferences and conclusions. Makes informed decisions about financial situations. Carries out statistical processes to interpret and compare data. Solves familiar problems involving uncertainty using the basic principles of probability.

80

Uses mathematical concepts, skills and techniques accurately in familiar contexts and in some unfamiliar contexts. Uses some problem-solving strategies to solve mathematical problems in familiar contexts. Applies reasoning to construct mathematical arguments in familiar contexts and to use mathematical models. Uses symbols, numbers, words, diagrams and graphs to communicate mathematical ideas. Uses information given in symbolic, tabular or graphical form to make predictions, inferences and conclusions. Performs calculations in financial mathematics such as substituting into appropriate formulae. Calculates summary statistics such as the mean and standard deviation. Performs probability calculations to solve familiar problems.

70

Uses mathematical concepts, skills and techniques in familiar contexts. Presents steps in sequence in the construction of simple mathematical arguments. Uses numbers, words, diagrams and graphs to communicate mathematical results. Uses information given in diagrammatic, tabular or graphical form to make some predictions, inferences and conclusions. Draws simple diagrams when given clear instructions to assist in solving familiar mathematical problems. Performs basic calculations in financial mathematics. Calculates simple summary statistics such as the mode and range. Performs simple probability calculations to solve familiar problems.

60

Uses basic mathematical concepts, skills and techniques to solve familiar problems with limited accuracy. Uses numbers, words, simple diagrams and graphs to communicate mathematical results. Uses information given in diagrammatic, tabular or graphical form to assist in solving some simple mathematical problems. Performs some basic calculations in financial mathematics with limited accuracy. Recognises language of probability.

50

A mark in this band indicates that the student has achieved below the minimum standard expected.

0

The candidature of this course was 31,760.