

Syllabus

Course 808 - Mathematics for Assessors

Session 1 - Basic Mathematical Functions

Introduction

Basic Mathematical Functions

Mathematical Notations

Priority of Functions

Quiz

Session 2 - Advanced Mathematical Functions

Positive and Negative Numbers

Fractions

Decimals

Percentages

Session 3 - Equations

Equation Definition

Unknown Numbers

Isolating the Unknown in an Equation

Mathematical Notations in Equations

Session 4 - Use of the Calculator

Overview

Reverse Polish Notation

White Numbers and Keys

Orange Keys

Blue Keys

Additional Functions

Performing Basic Functions

Solving Problems with the HP-12C

Session 5 - Powers and Roots

Powers

Mathematical Functions of Numbers with Exponents

Powers Using the HP-12C

Logarithms

Roots
Root Answers
Priority of Functions

Session 6 - Perimeters, Areas and Volumes

Perimeters
Areas
Volumes
Review Questions

Session 7 - Basic Statistics

Statistical Terminology
Calculating Measures of Central Tendency
Calculating Measures of Absolute Dispersion
Calculating Measures of Relative Dispersion
Progressivity and Regressivity
Using the HP-12C

Session 8 - Charts and Graphs

Frequency Distribution
Pie Chart
Bar Graph
Scatter Diagram
Polygon
Review Questions

Session 9 - Compound Interest

Definitions
Compound Interest Tables
Use of Compound Interest Tables
Use of the HP-12C
Answers

Session 10 - Application of Mathematics to Appraisal and Assessment