

## Objectives 1 — Arithmetic

After covering this section, you should be able to:

- appreciate the difference between the different types of numbers: natural, integer, rational (fractions), real
- understand bracket notation and the order of arithmetic operations
- expand brackets
- perform arithmetic on fractions
- express a fraction in its lowest form
- express fractions in decimal form
- round decimals to a given number of significant figures or decimal places
- understand the rules governing the existence of powers
- perform arithmetic involving powers
- perform arithmetic involving surds

The material in this section corresponds approximately to Chapter 1 of MB; more precisely it covers most of Sections 1.1 and 1.2, and parts of 1.3.

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