QCE General Mathematics Formula Book

Original worked revision examples with notes on units and assumptions.

Use the board PDF below for the official sheet. Coverage of examples varies by subject.

Official reference material

QCAA General Mathematics formula book

What to work out beyond the sheet

Write the first term and the time of the first observation before choosing an arithmetic or geometric model.

Formulas and worked examples

Measurement · trapezium

Formula or reference: $A = h(a + b)/2$

Units and conditions: a and b are the parallel sides. Use their perpendicular separation h.

Worked example: A canal cross-section with parallel sides 4.5 m and 7.5 m, 2 m apart, has area 12 m².

Growth · arithmetic sequences

Formula or reference: $t(n) = t(1) + (n − 1)d$

Units and conditions: d is the change each step. n starts at 1.

Worked example: A theatre has 18 seats in the first row and adds two seats per row. Row 9 has 34 seats.