TCE Mathematics Methods Foundation Information Sheet

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

TASC MTM315117 Mathematics Methods Foundation information sheet

What to work out beyond the sheet

Distinguish this Level 3 sheet from the Level 4 Mathematics Methods information sheet. They have different course codes.

Formulas and worked examples

Trigonometry · area with an included angle

Formula or reference: $A = ab \sin C/2$

Units and conditions: C is the angle between the two known sides. Use the correct angle mode.

Worked example: Two sides of 7 m and 8 m with included angle 30° enclose 14 m^2.

Exponential models · repeated growth

Formula or reference: $y = a \times b^t$

Units and conditions: a is the starting amount and b is the growth factor for one step of t.

Worked example: A starting amount of 240 grows by 5% per step. After two steps the model gives 264.6.