WACE Physics Formulae and Data Booklet

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

SCSA Physics 2026 formulae and data booklet

What to work out beyond the sheet

Sketch the axes and assign directions before substituting into vector equations.

Formulas and worked examples

Motion · momentum

Formula or reference: $p = mv$

Units and conditions: Use kg and m/s. Retain the direction of velocity.

Worked example: A 0.40 kg trolley moving west at 2.5 m/s has momentum 1.0 kg m/s west.

Waves · speed, frequency and wavelength

Formula or reference: $v = f\lambda$

Units and conditions: Use Hz and m for speed in m/s.

Worked example: Water waves at 2.4 Hz with a wavelength of 0.80 m travel at about 1.9 m/s.