Required Grade Calculator

Solve for the remaining exam grade needed to reach a chosen overall grade. Treat the current grade as the average of the completed portion, not points already weighted across the entire course.

Formula: required = (target - current * (1 - weight/100)) / (weight/100)

INPUTS AND EXAMPLE VALUES

Current grade (%): 85

Target overall grade (%): 90

Remaining exam weight (%): 40

CHECK THE DEFAULT EXAMPLE

Required remaining grade (over 100% = not attainable): 97.5 %

LIMITS AND CONVENTIONS

A required score above 100% indicates an unattainable target without extra credit.

The remaining weight must be positive; grading curves and extra credit are outside the model.

METHOD AND SOURCES

https://azhanmh.com/guides/tools/required-grade-calculator

OpenStax - Prealgebra 2e: numbers, fractions and percentages: https://openstax.org/books/prealgebra-2e/pages/1-introduction

Display precision is for reporting; keep unrounded values for later calculations. Verify units and conventions. This reference does not replace institution, employer or network rules.