

"Weighting" of grades explained

You've decided to "weight" your different assignment types. You want Homework to be worth 10% of a student's grade, Class Participation 30%, Tests 20%, and Final Project 40%. The percentages of the whole must equal 100. You've set all this up in your grade book. This is how it is calculated.

Student: John Smith

	Assignment Category Average	Weighted Portions of the Whole grade
Homework (10%) - Four assignments worth 250 points total <ul style="list-style-type: none">John received 180 points of the possible 250	$180/250 = \underline{72\%}$	Since Homework is 10% of the whole grade- $72 \times \mathbf{10\%} = 7.2$
Class Participation (30%) - Rated using a rubric (scored 1-5) on 3 separate occasions. Total possible points 15 <ul style="list-style-type: none">John received 13/15 points	$13/15 = \underline{86.66\%}$	Since class participation is 30% of the whole grade- $86.66 \times \mathbf{30\%} = 25.99$
Tests (20%) - Five tests worth 500 points total <ul style="list-style-type: none">John received 450/500 points.	$450/500 = \underline{90\%}$	Since tests are 20% of the whole grade- $90 \times \mathbf{20\%} = 18$
Final Project (40%) A single project worth 60 points <ul style="list-style-type: none">John received 47 points.	$47/60 = \underline{78.33\%}$	Since the Final Project is 40% of the whole grade- $78.33 \times \mathbf{40\%} = 31.33$
All assignment weights equal 100 $\mathbf{10\%} + \mathbf{30\%} + \mathbf{20\%} + \mathbf{40\%} = 100$		John's weighted grade: $7.2 + 25.99 + 18 + 31.33 = \mathbf{82.52}$
	Final Percentage Grade	82.52%