

Category Setting: Points vs Percentage

What is the difference between a grading category calculated by Total Points and a grading category calculated by Percent? You can adjust grading categories to calculate by Total Points (this is the default setting) as well as by Percent. These options can vary the outcomes of a student's overall grade in the course.

For example, if the grading category calculates by TOTAL POINTS:

Category: Class Assignments	Category: Homework	Category: Testing and Quizzes
Weight @ 45%	Weight @ 10%	Weight @ 45%
A1: 5/5	H1: 3/3	Q1: 8/12
EC: 5/0 (Extra Credit)	H2: 3/3	T1: 32/48
EC: 5/0 (Extra Credit)	H3: 3/3	Q2: 12/15
A2: 5/5	H4: 1/3	TOTAL 52/75 = 69.33%
A3: 3/5	H5: 3/3	
A4: 3/5	H6: 3/3	
A5: 5/5	H7: 6/3 (Extra Credit added)	
TOTAL 31/25 = 124%	TOTAL 22/21 = 104.7%	

CALCULATION 1: PERCENTAGE OF CATEGORY MULTIPLIED BY CATEGORY WEIGHT

Category: Class Assignments ($124\% \times 0.45 = 55.8\%$)
 Category: Homework ($104.7\% \times 0.1 = 10.47\%$)
 Category: Testing and Quizzes ($69.33\% \times 0.45 = 31.19\%$)

CALCULATION 2: ADD CATEGORY TOTALS TOGETHER

Category: Class Assignments 55.8 %
 Category: Homework 10.47 %
 Category: Testing and Quizzes 31.19 %
 TOTAL $55.8 + 10.47 + 31.19 = 97.46\%$

RESULT: Student Receiving "A" @ 97.46%

If the grading category calculates by PERCENT:

Category: Class Assignments	Category: Homework	Category: Testing and Quizzes
Weight @ 45%	Weight @ 10%	Weight @ 45%
A1: 5/5 = 100%	H1: 3/3 = 100%	Q1: 8/12 = 66.67%
EC: 5/0 = 5% (Extra Credit)	H2: 3/3 = 100%	T1: 32/48 = 66.67%
EC: 5/0 = 5% (Extra Credit)	H3: 3/3 = 100%	Q2: 12/15 = 80%
A2: 5/5 = 100%	H4: 1/3 = 33%	TOTAL 213.34/300 = 71.11%
A3: 3/5 = 60%	H5: 3/3 = 100%	
A4: 3/5 = 60%	H6: 3/3 = 100%	
A5: 5/5 = 100%	H7: 6/3 = 200% (Extra Credit added)	
TOTAL 430/500 = 86%	TOTAL 733/700 = 104.7%	

CALCULATION 1: (PERCENTAGE OF CATEGORY MULTIPLIED BY CATEGORY WEIGHT)

Category: Class Assignments ($86\% \times 0.45 = 38.7\%$)
 Category: Homework ($104.7\% \times 0.1 = 10.47\%$)
 Category: Testing and Quizzes ($71.11\% \times 0.45 = 31.99\%$)

CALCULATION 2: (ADD CATEGORY TOTALS TOGETHER)

Category: Class Assignments 38.7%
 Category: Homework 10.47%
 Category: Testing and Quizzes 31.99%
 TOTAL $38.7 + 10.47 + 31.99 = 81.16\%$

RESULT: Student Receiving "B" @ 81.16%

