

Category = Assignments (Contains 2 Graded Items)

Equal Weighting

Item 1 is 5 / 5
100% possible points
Item 2 is 5 / 10
50% possible points

Category Average
(100 + 50) \rightarrow 150 / 2 = 75%

Item 1 is 7 / 10
70% possible points
Item 2 is 5 / 10
50% possible points

Category Average
(70 + 50) \rightarrow 120 / 2 = 60%

Proportional Weighting

Item 1 is 5 / 5
Item 2 is 5 / 10
Total Points Earned 10 / 15

Category Average
10 / 15 = 66.7%

Item 1 is 7 / 10
Item 2 is 5 / 10
Total Points Earned 12 / 20

Category Average
12 / 20 = 60%

Different Max Points

Item 1 = 5 out of 5 points
Item 2 = 5 out of 10 points

75% vs 66.7%

Same Max Points

Item 1 = 7 out of 10 points
Item 2 = 5 out of 10 points

60% vs 60%

The category average only varies if the assignments in the category have a different max point value.