

## Converting Rubric Scores to Percentages for Grading

Sources: <http://www.rubricconverter.com/detail.html>

Laura Alipoon, School of Allied Health Professions

I like using Rubrics as it can add objectivity and consistency to grading, the issue is converting a 4-point rubric to a percentage for grading purposes. While there is more than one appropriate way to do this the one I have chosen to use for my classes works as follows.

After reading varying methods I chose to convert to percentages by mapping the rubric scores to percentages like this. If you have a 4-point scale (4 being best) and 4 criteria then the highest score, or 100% is 16; the lowest score is 4 or 64%. I decided that all "1"s would equal 64% - a D grade.

I then decided that all 3s, as proficient should be a high B so I chose 87%, all 2s should be 75% and all 1s would be 64%. (It could be chosen differently.) I then assigned a percentage to each potential number 4-16 and will post it for the students. The percentages are 3 or 4 points apart.

|  | Distinguished - 4 | Proficient - 3 | Emerging - 2 | Unsatisfactory - 1 |
|--|-------------------|----------------|--------------|--------------------|
| Organization                               |                   |                |              |                    |
| Review of Knowledge                        |                   |                |              |                    |
| Reflection, Application, and Learning      |                   |                |              |                    |
| Mechanics (spelling, grammar, punctuation) |                   |                |              |                    |
|  | 16 = 100%         | 12 = 87%       | 8 = 75%      | 4 = 63%            |

16 = 100%      09 = 78%  
15 = 96%      08 = 75%  
14 = 93%      07 = 72%  
13 = 90%      06 = 69%  
12 = 87%      05 = 66%  
11 = 84%      04 = 63%  
10 = 81%

If you have 5 criteria your new grading “map” is from a high of 20 points (4x5) to a low of 5 points. So, 100%= 20 and 64% = 5. The percentages below are either 2 or 3 points apart.

|   | <b>Distinguished - 4</b> | <b>Proficient - 3</b> | <b>Emerging - 2</b> | <b>Unsatisfactory - 1</b> |
|---|--------------------------|-----------------------|---------------------|---------------------------|
| <b>Organization</b>                               |                          |                       |                     |                           |
| <b>Review of Knowledge</b>                        |                          |                       |                     |                           |
| <b>Reflection, Application, and Learning</b>      |                          |                       |                     |                           |
| <b>Mechanics</b> (spelling, grammar, punctuation) |                          |                       |                     |                           |
| <b>APA Style</b>                                  |                          |                       |                     |                           |
|   | 20 = 100%                | 15 = 87%              | 10 = 75%            | 5 = 64%                   |

|           |          |
|-----------|----------|
| 20 = 100% | 12 = 79% |
| 19 = 98%  | 11 = 77% |
| 18 = 96%  | 10 = 75% |
| 17 = 93%  | 09 = 73% |
| 16 = 90%  | 08 = 70% |
| 15 = 87%  | 07 = 68% |
| 14 = 84%  | 06 = 66% |
| 13 = 81%  | 05 = 64% |