A **weighted average** is where a weight is applied on some components of the set. Your grade in this class is an example of a weighted average.

Consider two grading systems:

Grading System 1	Grading System 2
Tests – 50%	Tests – 50%
Daily Checks – 25%	Daily Checks – 20%
Homework/Notebook – 10%	Homework/Notebook – 20%
Final Exam – 15%	Final Exam – 10%

1. If your values are the following, which grading system do you prefer?
   Test average: 85
   Daily Checks: 75
   Homework/Notebook: 80
   Final Exam: 78

2. If you score 10 points higher on the final exam, how does your final grade change for each system?

3. If your homework/notebook average was 9 points lower, which grading scale would you prefer?

4. Use the following information to find your final course average for each grading system:
   Test Grades: 81, 85, 78, 75, 62, 88, 91
   Daily Check average: 82
   Homework/Notebook average: 90
   Final Exam grade: 82