

**The grading system used at DHS is a weighted mean grading system. Formative assignments (homework, usually) are worth 20% of your grade. Summative assignments, such as tests or quizzes, are worth 80% of your grade. Let's see how to use this to calculate some student grades.**

- 1) At the end of the first card marking, a student has 215 out of a possible 250 formative points and 185 out of a possible 205 summative points. What grade will they receive for the first card marking?
  
  
  
  
  
  
  
  
  
  
- 2) At the end of the first semester, a student has 508 out of 530 formative points and 397 out of 480 summative points. Calculate their final grade.
  
  
  
  
  
  
  
  
  
  
- 3) Let's say a student, Jimmy, doesn't like to do any homework but does fairly well on tests and quizzes. Jimmy has 30 out of 150 formative points and 392 out of 405 summative points. Calculate Jimmy's grade and make a statement about the results.
  
  
  
  
  
  
  
  
  
  
- 4) On the other hand, Kelly does all her homework, but not too well on tests or quizzes. She just gets soooooo nervous when it's all quiet and the teacher is staring at people. Kelly has 148 out of 150 formative points and 235 out of 405 summative points. Calculate Kelly's grade and make a statement about the results.

---

**College grade point averages are calculated much more differently than high school GPAs. The reason is, in high school, all of your classes count equally because they are each 5 hours every week. In college, a class is weighted based on the number of hours you attend that class each week—this is called credit hours. Classes can vary from 1, 2, 3, 4, or 5 credit hours. Gym classes can count as 1 credit hour, while the harder, academic classes (math, English, science, etc) can count as 4 or 5 credit hours.**

5. For one semester at college, Saleh took 5 classes: Chemistry for 5 credit hours, Pre-Calculus for 4 credit hours, American Lit for 3 credit hours, French for 4 credit hours, and CPR for 2 credit hours. In those classes he earned a B, A, C, D, and B respectively. Determine his GPA for this semester. How would this grade compare to a high school GPA?

6. Sarah is taking Drama for 2 credits, Math for 5 credits, English for 3 credits and a bowling class for 1 credit. Her grades are an A, C, B, and an A respectively, Determine her GPA for the semester. How would this grade compare to a high school GPA?

7. In a college psychology class, the teacher grades using 4 categories: Tests are 60% of the grade, the mid-term is 15% of the grade, the final exam is 20% of the grade, and homework is 5% of the grade. A student in the class received the following scores: 86 on tests, 92 on the mid-term, 89 on the final, and 95 on the homework. If an A is a 90 or higher, will this student receive an A?