How Sapphire Computes Grades: *Secondary*

How does Sapphire calculate grades for elementary students?

- Overall grades are a combination of the averages for formative assessments and summative assessments, weighted at 30% for formal formative assessments and 70% for summative assessments

- The 30% for formative assessments may be split between homework and other formative assessments that are evaluated for <u>accuracy</u>. *Homework cannot comprise more that half of the formative assessment average (meaning it can only account for up to 15% of the overall grade)*

So then how does Sapphire actually compute the grade?

- The math looks like this:

  o (FA % x .3) + (SA % x .7) = Overall grade %

- The math looks like this *if you split formative assessments* so that homework is broken away from the other formative assessments. *Together they may only add up to 30% of the overall grade, and HW can account for no more than half the formative assessment %*

  o (HW % x .15) + (% for other FAs x .15) + (SA % x .7) = Overall grade %

Can you give me an example? (Assume that this was 7th grade mathematics, not 6th ...)

8th Grade Social Studies ...

Current Grade: B (83.0%)

Assignment	Score (points)	Due Date
Category: Formative Assessments (20% of grade)		
Unit 2 Quiz 1	7/10	10/16/2014
Unit 1 Quiz 3	15/15	9/23/2014
Unit 1 Quiz 2	7/9	9/15/2014
Unit 1 Quiz 1	8/10	9/9/2014
Category: Homework (10% of grade)		
Mapping Exercise	8/12	10/2/2014
State Comparision HW	10/15	9/12/2014
Category: Summative Assessments (70%)		
Unit 1 Unit Test	35/40	10/3/2014

- Sapphire does the math internally to get an average for Formative Assessments, Homework, and Summative Assessments based on the points earned and points possible *in each category:*

  o HW % (37 pts earned/44 possible) = 84.1%, FA % (18/27) = 66.7%, SA % (35/40) = 87.5%

- The system computes the overall grade, understanding that in this teacher's classroom, HW counts 10% of the grade, which means other Formative Assessments count 20% and then Summative Assessments count 70%.

  o (HW % x .1) + (% for other FAs x .2) + (SA % x .7) = Overall grade %
  o (84.1 x .1) + (66.7 x .2) + (87.5 x .7) = Overall grade
  o (8.4) + (13.3) + (61.3) = 83.0
  o *If done based on straight points earned/points possible, the grade would have been 81% ... B-*