## **How Sapphire Computes Grades:** *Elementary*

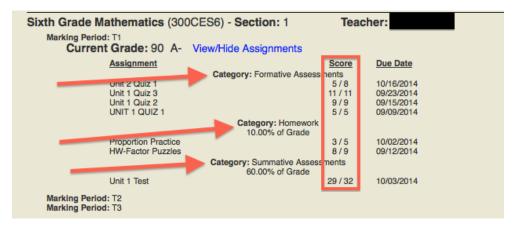
## How does Sapphire calculate grades for elementary students?

- Overall grades are a combination of the averages for formative assessments and summative assessments, weighted at 40% for formal formative assessments and 60% for summative assessments
- The 40% 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 20% of the overall grade)

## So then how does Sapphire actually compute the grade?

- The math looks like this:
  - O (FA % x .4) + (SA % x .6) = 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 40% of the overall grade, and HW can account for no more than half the formative assessment %
  - O (HW % x .2) + (% for other FAs x .2) + (SA % x .6) = Overall grade %

## Can you give me an example?



- 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:
  - HW % (11/14) = 78.6%, FA % (30 pts earned/33 possible) = 90.9%, SA % (29/32) = 90.6%)
- 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 30% and then Summative Assessments count 60%.
  - $\circ$  (HW % x .1) + (% for other FAs x .3) + (SA % x .6) = Overall grade %
  - $\circ$  (78.6 x .1) + (90.9 x .3) + (90.6 x .6) = Overall grade
  - o (7.9) + (27.3) + (54.4) = 89.6 ... rounds to 90% in the system