



Math Rewrites Strategy

Created: 12/2015 by the National FFA Organization

DESCRIPTION: Math Rewrites help students clarify a math problem, an equation or tables, charts and graphs by putting the symbols, numbers, etc. into their own words. This helps students make sense of the information, formula, equation or problem. The more detailed the rewrite the better, so model this when demonstrating the strategy to students.

EXAMPLE ACTIVITIES: This strategy is ideally suited for agricultural math problems that one might see in landscaping, greenhouse management, pesticide application and pasture management. It is also a helpful strategy to help students understand and make use of information provided in tables, charts and graphs.

USE: No student worksheet accompanies this strategy. Instead, incorporate the use of math rewrites into an assignment or class activity as needed. An example activity, using the "Tyson Story Infographic," is provided below.

THESE ACTIVITIES ARE ALIGNED TO THE FOLLOWING STANDARDS:

Common Core- Math

- MP1: Make sense of problems and persevere in solving them.
- MP2: Reason abstractly and quantitatively.
- MP3: Construct viable arguments and critique the reasoning of others.
- MP5: Use appropriate tools strategically.
- MP6: Attend to precision.
- MP7: Look for and make use of structure.

EXAMPLE ACTIVITY:

Students should summarize the information provided in each pie and bar graph on the "Tyson Foods Infographic." The level of detail required in the rewrite depends on what you want the student to understand and their ability level.

Suggested additional activity: Have students use the "Pictorial Representation" strategy to visually represent the large spread of numerical information provided in the Tyson Story Infographic.

SAMPLE REWRITE FROM EXAMPLE ACTIVITY:

- Rewrite of the Tyson "Number of Facilities" bar graph: Tyson has more chicken facilities than any other product type, but they only have one turkey facility.
- Rewrite of the Sales by Segment pie graph: Beef and chicken make up over 70 percent of Tyson Food sales, and beef brings in the most sales.