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“Promising Practices Classroom Activity” Title of Activity: Error Analysis Carousel

Recommended to use with this number of students: 30 or less per class/academic

Content Area: Mathematics (could be used in many different content areas)

Grade Level(s): 4 - 12th (could be used for many different grade levels)

Match to Georgia Standard(s): Applies across a variety of content standards.

STANDARDS FOR MATHEMATICAL PRACTICE: This task uses all of the practices:

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Note: Use the remainder of this page and up to one additional page for describing the activity.

The Error Analysis Carousel activity gives a different option on how to use the data gathered through assessment. It is a way to cover the specific concept and exact situation that the students are not understanding completely. This activity requires higher ordered thinking beyond just solving the problem correctly. Another positive aspect is that this activity gets students up moving and collaborating. Students could benefit by completing this activity as a review or after an assessment as a way to reteach.

Students perform a carousel activity in groups. The problems in the carousel are on a topic that has been covered but with a common mistake embedded in the work. The students have to rework the problem correctly and identify what mistake was in the problem. There are many different variations of this activity.