



Subject: Math

Grade Level: Elementary School - 5th Grade

DI Strategy: Challenge by Choice

16 Boxes Math Unit Review Challenge by Choice

At the end of every unit, my students completed a review activity called “16 Boxes” that allowed the students and I to identify and address areas of weakness. This activity was always completed 2-4 days prior to a unit exam so that students could then work on any identified weaknesses. The activity began by all of the students completing a worksheet of 16 boxes. The 16 boxes contained math problems focusing on the concepts covered during the unit. Each unit usually consisted of around four concepts, so I arranged the worksheet to have four rows (one concept per row) containing four problems each. This allowed the students, parents, and I to easily identify concepts that needed additional practice.

After all students completed the 16 boxes on their worksheet, we went over the answers as a class. While going over the answers, I asked students to use a colorful pen or highlighter to mark their papers. If they got a box correct, they were to star the box. If they got a box wrong they were to outline the box. I collected the 16 boxes worksheets and reviewed them to determine how to proceed in the next day’s class.

If I found that the majority of my students struggled with a particular problem or concept, we would complete a whole class review of that problem/concept. Most of the time, we moved onto a Challenge by Choice activity. When students entered class the following day they would receive their 16 boxes worksheet back. They would review the problems they answered incorrectly and rank which concepts they needed to spend more time on from 1-4. I would have stations set up around the room for each of the four concepts. Students would rotate from station to station in the order that they determined based on the results of their 16 boxes. At the stations, students may find practice worksheets to complete, teacher created review videos to watch, or textbook problems to complete. Each station would also contain an enrichment activity that students could work on if they had gotten all of the questions from that concept correct. During this Challenge by Choice time I would also pull groups of students aside who I felt needed more direct instruction and practice with me based on the results of their 16 boxes.