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| **Title: Order of Operations** |
| **Your name:** Kimberly RichartAmir | **Age or Grade Level:** Grade 5 | **Integrated Disciplines/Subjects:**Math | **Time frame for Lesson:**45 Minuets |
| **STANDARDS, OBJECTIVES, ASSESSMENTS & MATERIALS** |
| [**Nebraska State Standards**](http://www.education.ne.gov/academicstandards/index.html):MA 5.3.3.c Evaluate numerical expressions by using parentheses with respect to order of operations (e.g., 6+(3\*5)) |
| **Objectives:** Students will be able torecite PEMDAS and use that by evaluating order of operations. |
| **Assessment:** There will be a formative assessment with this, I would like the girls to be the closest to the target number, can be off by 2-5 numbers only. Whoever is the closest will get chips/candy. |
| **Materials:** \*Whiteboard \*Markers \*Bellwork \*Pencils \*Scratch paper \*At least 7 dice \*Game \*Candy/chips  |
| **LESSON PROCEDURES** |
| **Anticipatory Set:** As soon as the girls get up to the room and settled in, I would like for them to tell me what they know about PEMDAS. So I will review what PEMDAS is and we will go over some examples of how to do them.\* 2\*7+10\* (17+3)\*2\* (18-6) x 9 + 3\* 7 x 10 x (2 - 8)\* 8 x 5 x (9 - 5) |
| Teacher will do:-Take attendance- Have the girls work on the bell work problems/ talk about PEMDAS- Make sure the girls know how to use order of operations-After the girls are done with the bell work then we will start on the game-We will explain how to play the game- The game works as you roll a die 7 times, the student can place the number the roll in any spot. Two of the numbers rolled can be “thrown away” once all of the numbers are placed and solved. The student who has the closest number to the target number wins.- We will walk around and make sure the girls understand and are doing the math correctly. -After there is a winner then we will give the girls candy/chips. | **Student will do:**- Will do the bell work- After discussing the bell work then girls will learn how to play the game.-Who ever is closest to the target number will need to show us and then they will win a prize-They will play the game then as soon as the game is over with then we will do the closure for the day |
| **Closure:** There will be a journal about the day.  |
| **Differentiation:** High Achieving Learners- I would make sure that the problems I gave them were more difficult mixed with some problems that are not as difficult.Resource Students: I will provide one on one support for my student. I will also provide an alternate assignment with easier problems.ELL- I will make sure my ELL students know the vocabulary words. I will have Isela help with any translations with any Spanish-speaking student. |
| **Content Knowledge:** I hope that the girls come in to the classroom with the knowledge of PEMDAS. **Teaching Methods/Strategies:** I will use hands on as my teaching method for this lesson. I’ve chosen this method so that the students can learn how to ask questions to figure out the answers.  |
| **REFLECTION** |