



Challenge 6

“30 Second Challenge: Determining order of operations using PEMDAS with 4 dice”

Purpose of the activity:

- Player looks at four dice and explains the correct order that they would use to get a correct answer

Materials needed:

- Two basic green dice, two basic black dice, one basic red die and a timer. A device to count would be helpful.

How to play:

- Teacher has 5 dice in their hands (2 basic green, 2 basic black and one basic red), they roll 4 of the 5 dice and have the Student tell the order they would use to get the answer. It would be a good idea to encourage the Student to move the dice into groups to help figure out the order of operations.
- Teacher will time the Student and count how many correct answers are achieved.

Possible Next Steps/ When to Move On To Next Activity:

- This activity is suitable for Students of all abilities as the Student can continue to improve their score.
- When the Teacher is satisfied that the Student can quickly and accurately determine the correct order of operations it is time to begin solving problems involving a number of different operations.