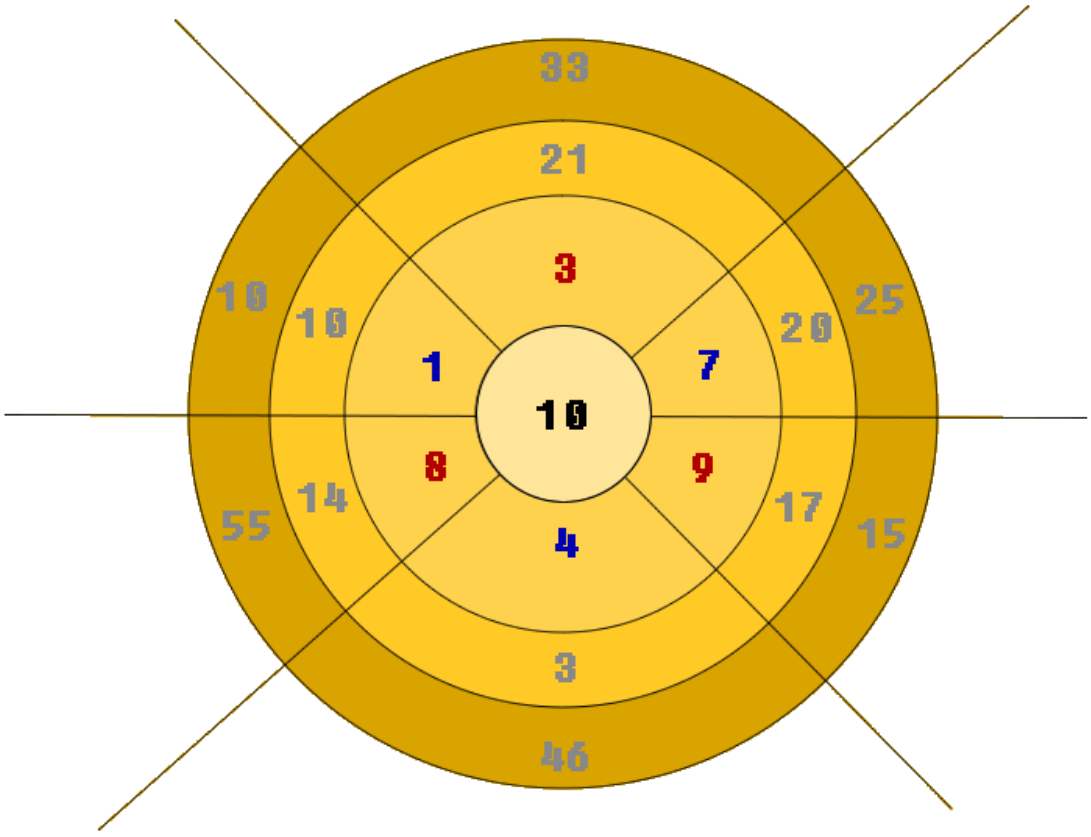
Mathematical Puzzle

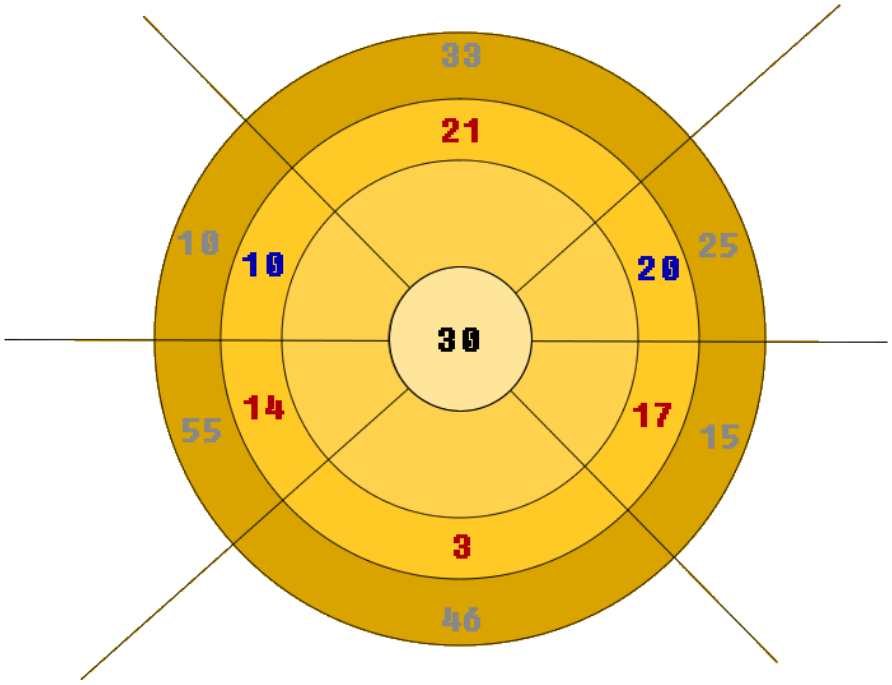
***Objective/Mechanics:** Make the number in the innermost centered circle **0** by adding/subtracting the numbers in the panels. This is accomplished by rotating the current circle to the left/right. Blue numbers are added to the current number in the innermost centered circle, whereas Red Numbers will subtract from it.

***Number of times:** 3. There are 3 circles to be completed in order to solve the whole puzzle, starting from the nearest one to the center, all the way to the one in the border. The first circle starts at **10**, the second one at **30** and the last one at **100**

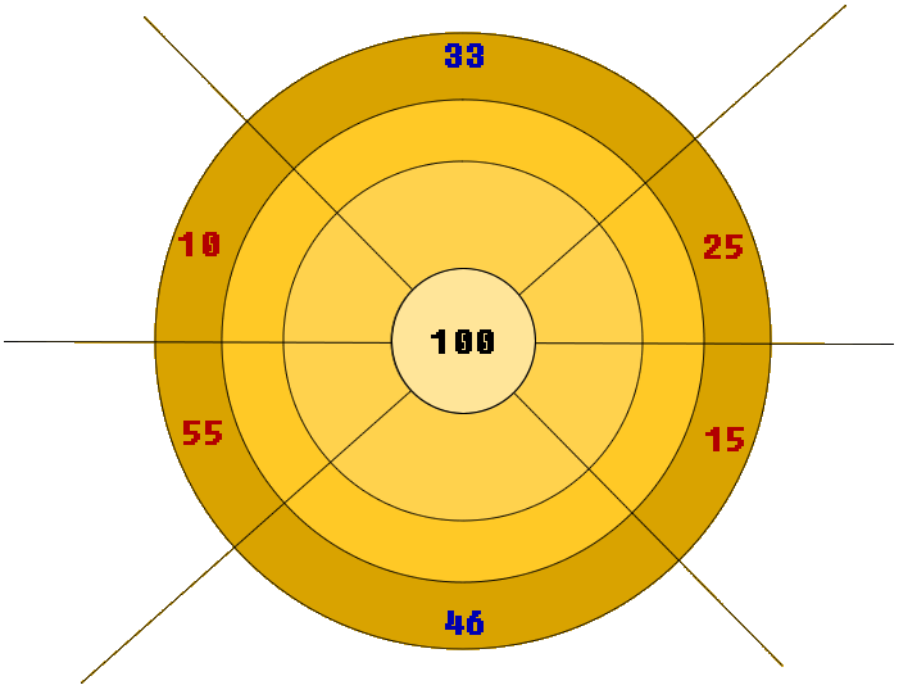
First Circle



Second Circle

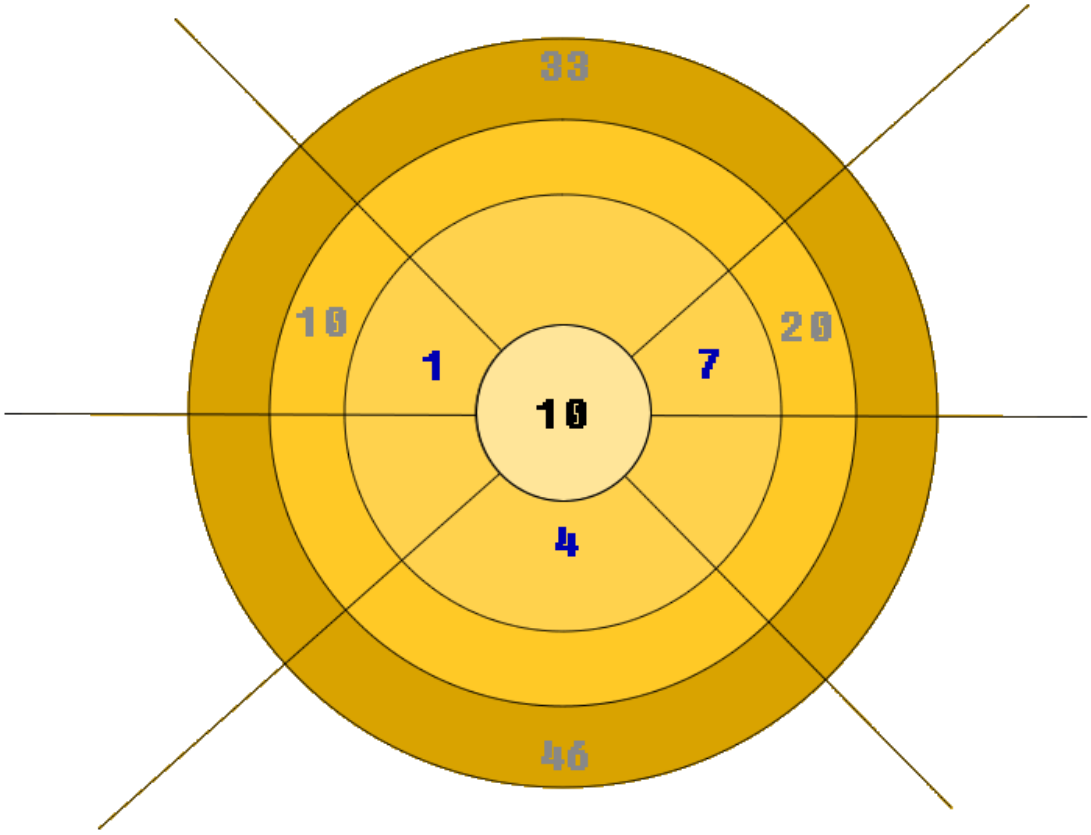


Third Circle

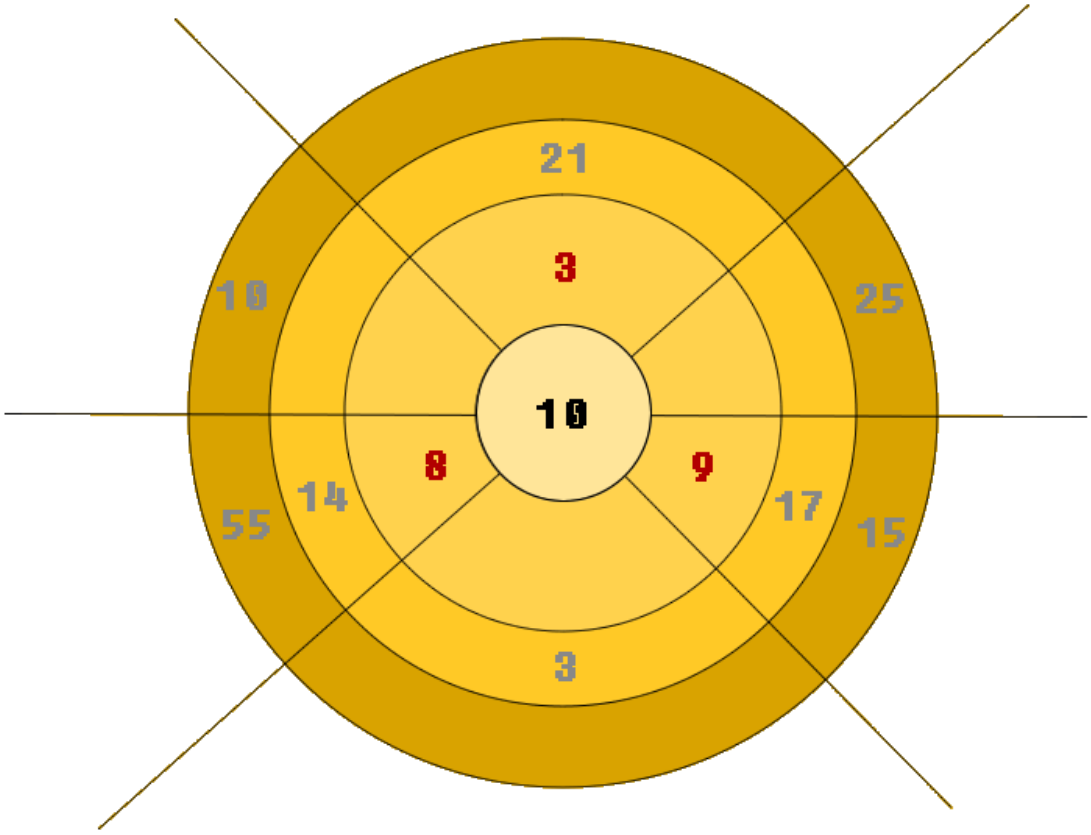


***Cooperation:** As with the whole game, the puzzle is presented in different ways to each player so they can work together in order to solve it. The VR player will ONLY be able to see and rotate the adding/blue numbers and the tablet/touch player will ONLY be able to see and rotate the subtracting/red numbers

VR Player view (numbers ONLY available/movable by VR Player)



Touch Player view (numbers ONLY available/movable by the tablet/touch player)



***Steps/Solution Example**

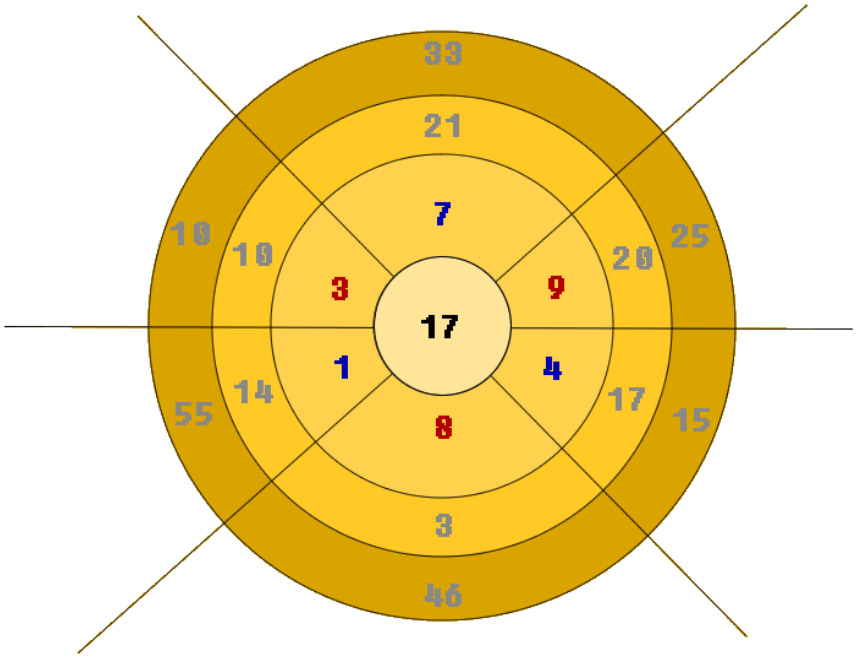
Since the puzzle requires cooperation. It is of utmost importance for both players to share the numbers they can see and do the mathematical operation before rotating the circle for optimal results.

So, since the circle starts at 10, in order to reach zero, players will have to perform the following arithmetic operation:

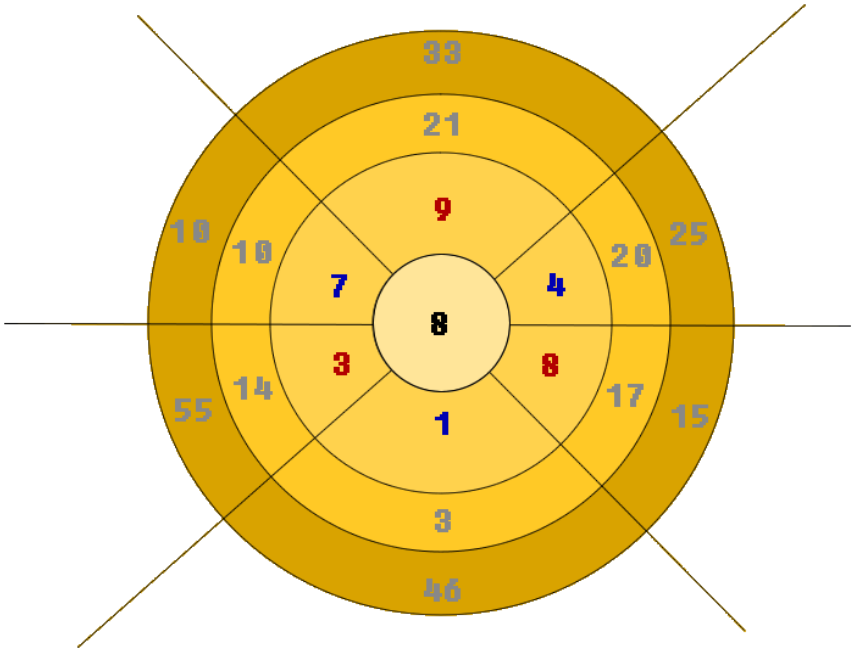
10+7 (17) -9 (8) +7 (15) -3 (12) +1 (13) -8 (5)+4 (9)-9 = 0

Therefore:

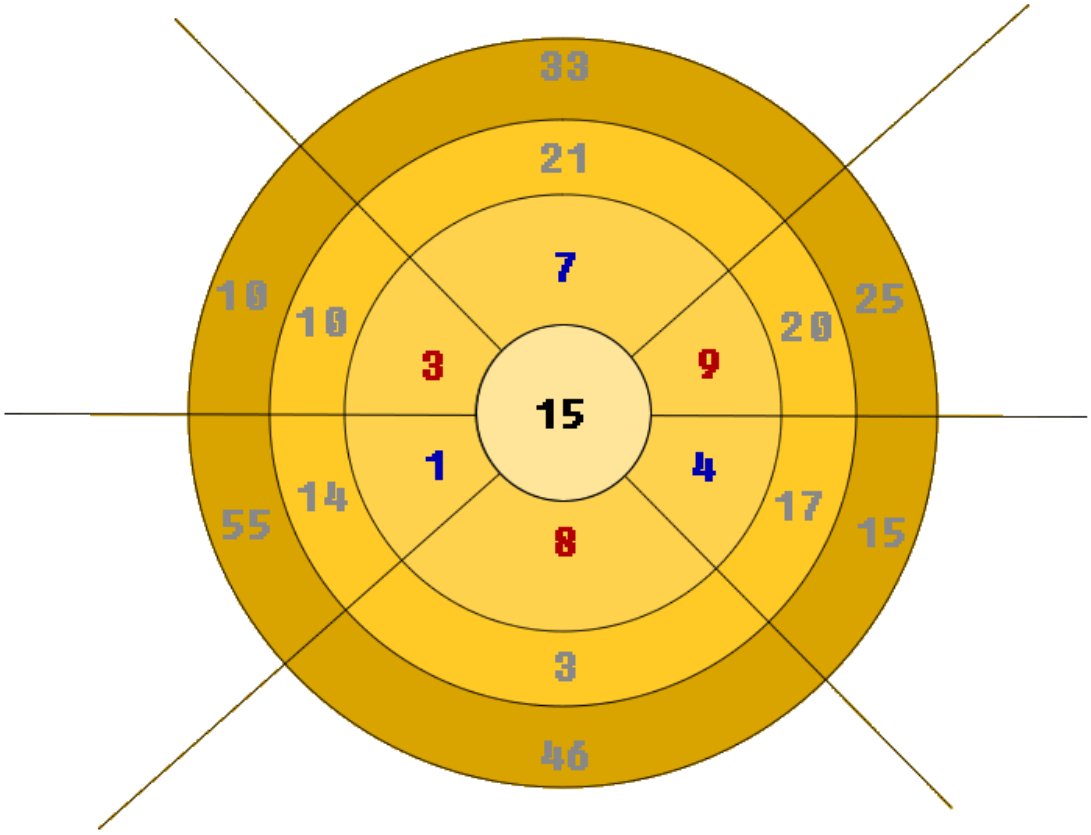
1.- VR player needs to rotate left, so the first circle moves to the 7: **10+7 = 17**



2.- Tablet/Touch player needs to rotate left, so the first circle moves to the 9: **17+9 = 8**



3.- VR player needs to rotate right, so the first circle moves right back to the 7: **8+7 = 15**



And then continue alternating rotating to the right 5 more times **15-3 (12) +1 (13) -8 (5)+4 (9)-9** to get to **0** and unlock the next outer circle.

<u>Solution for the second circle:</u>

30+10 (40) -14 (26) +10(36) -21 (15) +10 (25) -14 (11)+10 (21)- 21 = 0

Rotation: Right, right, left, left, right, right, left, left

Success!