

Guess my Rule

Materials:

Guess my Rule game boards

How to play:

Players determine the relationship rule that applies to each set of numbers. Relationship rules can be one or two steps. For example: Output = the input x 3 or Output = the input x3 +1. Players can chose to show one set of numbers at a time, covering the others so players have to adjust their thinking, or show the entire game board at once. After players have determined the relationship rules in the game sheet provided they create their own games to try and challenge their partner to “Guess my rule?”

Example:

Input	Output
3	9
7	21
12	36

Output=input x3

Input	Output
4	13
9	28
3	10

Output=input x3+1

Note: This game is also often called the “Robot Game” and many on-line versions can be found by googling that term.

Guess My Rule Game Board

Game #1

Input	Output
7	54
3	22
8	62
6	46

Game #2

Input	Output
81	9
27	3
63	7
18	2

Game #3

Input	Output
3	19
7	39
5	29
4	24