

GCF Snatch

Finding Greatest Common Factors

Materials:

Game board, Several Counters (2 colors), 2 dice

Directions:

1. Each player rolls the 2 dice and selects an available box in the table by creating an ordered pair with the two numbers rolled.
2. Each player places a counter on his selected box.
3. Each player finds the Greatest Common Factor for the numbers in his box.
4. The player with the larger Greatest Common Factor keeps his colored counter in that box. The other player removes his counter.
5. If the Greatest Common Factors are equal, both players remove their counters.
6. If no boxes are available on the game board after a player rolls, then he rolls again until he is able to select one.
7. The game continues until one player gets four boxes in a row, vertically, horizontally, or diagonally.

6	8 , 40	28 , 44	50 , 75	9 , 30	35 , 100	45 , 63
5	20 , 50	21 , 45	16 , 64	18 , 42	30 , 42	3 , 39
4	15 , 35	6 , 30	12 , 64	20 , 36	4 , 30	16 , 48
3	6 , 27	9 , 24	18 , 30	24 , 32	8 , 60	15 , 27
2	8 , 20	7 , 42	16 , 40	14 , 21	12 , 40	10 , 75
1	8 , 12	5 , 15	6 , 15	12 , 21	4 , 18	10 , 40
	1	2	3	4	5	6