

15 cards

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Explanation



Possibilities:

1X	1 +	14	= 15	6	20	17		
2X	2 +	13	= 15	7	20	16		
3X	3 +	12	= 15	8	20	15	+	1 = 16
4X	4 +	11	= 15	9	20	14	+	2 = 16
5X	5 +	10	= 15	10	20	13	+	3 = 16
6	6 +	9	= 15	11	20	12	+	4 = 16
7X	7 +	8	= 15	12	20	11	+	5 = 16
8	8 +	7	= 15	13	20	10	+	6 = 16
9X	9 +	6	= 15	14	20	9	+	7 = 16
10X	10 +	5	= 15	15	20	8	+	8 = 16
11X	11 +	4	= 15	16	20			
12X	12 +	3	= 15	17	20			
13X	13 +	2	= 15	18	20			
14X	14 +	1	= 15	19	20			
15X	15 +	0	= 15	20	20			

Dis'n't a card

↑
is'n't a card

Possibilities = ~~5, 10~~ 6, 9, 11, 12, 4, 14, 7
⇒ 8, 7, 13, 10, 6, 12, 9

Summary: The possibilities for CARDS (1-7) are ^{ONLY} 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15. There isn't a card zero so, we can eliminate the statement that card 1 is 15. The only numbers possible are one to 15 so we can eliminate combinations 1, 2, 3, 11, 12, 13, 14, and 15. We also know that there is only one of each card, so

we can eliminate options 5, 7, 9, 10. We are now left with options 4, 6, 8. Option 4 has the number 16 for CARD 6 which isn't possible. Therefore, the possible answers for this question are options 6 and 8.

Answers:

Options 6: 6, 9, 11, 12, 4, 14, ~~7~~

Options 8: 8, 7, 13, 10, 6, 12, 9

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