

Sixmer Game Play-by-Play

Gamer Player: @caddymuzi

Game played: 19:00 1/3/2021

Game Screen Capture

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Welcome to Sixmer -- a game to uncover the unique six-digit number with the fewest guesses!!
Please enter the number of players(1,2): 1
Please enter the name of Player 1: Frank
please enter your six digit unique number(No Zeroes): 123456
Frank you got 5 matching, with 4 of those in the correct places
Do you want to keep playing?(Yes or No) Yes
So far, you've made 1 tries, and your score is 90.9090909090909
please enter your six digit unique number(No Zeroes): 123478
Frank you got 4 matching, with 2 of those in the correct places
Do you want to keep playing?(Yes or No) Yes
So far, you've made 2 tries, and your score is 82.64462809917354
please enter your six digit unique number(No Zeroes): 123956
Frank you got 5 matching, with 4 of those in the correct places
Do you want to keep playing?(Yes or No) Yes
So far, you've made 3 tries, and your score is 75.13148009015777
please enter your six digit unique number(No Zeroes): 127356
Congratulations Frank ! You guessed the number!
You guessed the number in 4 tries
You scored 75.13148009015777
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Game Reasoning

Move	NE	CN	CP	NM	Reasoning
M1	123456	5	4		R1: only 1 number in "789" is correct
M2	123478	4	2	xxxx56	<p>R2: 56 are in correct positions - as we lost two correct positions after the swap of "56" with "78"</p> <p>R3: "78" with 1 number correct - this compensates for the loss of two correct numbers and the count at 4</p> <p>R4: "9" is not correct - as "789" can only have 1 correct and it's taken by "78"</p> <p>R5: "1234" - at least 3 numbers are correct and 2 of the 3 are in correct positions</p>
M3	123956	5	4	(123X)56	<p>R6: "123" are correct numbers with 2 positions correct</p> <p>R7: "4" can be ruled out - based on R5 & R6</p>
M4	127356	6	6		R8: I made a smart move. As "123" have two correct position, I moved one away to test it and also inserted in 7 to see if I can get all the numbers. It turned out I got both of these guesses right. The fish jumped into my boat, twice, while I was hard fishing.

NE: Number entered
 CN: Correct numbers
 CP: Correct positions
 NM: Number modeled