

**Practice Sheet: Probability Game: 7 Card
Rummy**
**Which is More Likely:
3 of a Kind or a Straight?**

Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs with next card	Probability of 3 of a Kind with next card
	<u>2 Clubs</u>		10 Hearts	10 Heart	2 in 45	4 in 45
3 Clubs	3 Clubs		10 Diamonds	10 Diamonds		
4 Clubs	4 Clubs		<u>10 Spades</u>	<u>10 Clubs</u>		
5 Clubs	5 Clubs		4 Diamond	4 Diamonds		
8 Diamonds			4 Hearts	4 Hearts		
10 Heart	3 Clubs		<u>4 Clubs</u>	<u>4 Clubs</u>		
4 Hearts	4 Clubs				Which is More Likely?	Circle Your Choice
10 Diamonds	5 Clubs				Run	<u>3 of a kind</u>
	<u>6 Clubs</u>					
Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs	Probability of 3 of a Kind
Q Hearts						
J Hearts						
10 Hearts						
10 Diamond						
J Diamonds						
Q Diamonds						
3 Clubs					Which is More Likely?	Circle Your Choice
					Run	Three of a kind

Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs with next card	Probability of 3 of a Kind with next card
A Spades						
2 Spades						
4 Spades						
A Clubs						
2 Hearts						
3 Hearts						
4 Clubs					Which is More Likely?	Circle Your Choice
					Run	Three of a Kind
Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs with next card	Probability of 3 of a Kind with next card
J Clubs						
J Hearts						
10 Diamonds						
10 Hearts						
Q Hearts						
7 Spades						
7 Clubs					Which is More Likely?	Circle Your Choice
					Run	3 of a Kind

Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs with next card	Probability of 3 of a Kind with next card
					Which is More Likely?	Circle Your Choice
					Run	<u>Three of a Kind</u>
Seven Cards in your Hand	Possible Runs	Possible Runs	Possible 3 of a Kind	Possible 3 of a Kind	Probability of Runs	Probability of 3 of a Kind
					Which is More Likely?	Circle Your Choice
					Run	Three of a Kind