

Consider a game in which two players roll a single Grim dice each. The player with the highest score wins. Let us investigate the probabilities behind this game.

Red die wins	
Blue die wins	

Red die wins	
Blue die wins	

Each players picks two dice of the same color. The one that rolls the highest total wins.

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|-----------------------|--|
| Double Red dice wins | |
| Double Blue dice wins | |
| Total trials | |

- | | | | |
|------------------------|--|------------------------|--|
| Single Red die wins | | Single Blue die wins | |
| Single Olive die wins | | Single Olive die wins | |
| Total trials | | Total trials | |
| Double Red dice wins | | Double Blue dice wins | |
| Double Olive dice wins | | Double Olive dice wins | |
| Total trials | | Total trials | |