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In [1]: import numpy as np  
import pandas as pd
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In [4]: die = pd.DataFrame([1, 2, 3, 4, 5, 6])  
sum_of_dice = die.sample(2, replace=True).sum().loc[0]  
print('Sum of dice is', sum_of_dice)
```

Sum of dice is 10

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In [5]: trial = 100  
result = [die.sample(2, replace=True).sum().loc[0] for i in range(trial)]
```

```
In [6]: print(result[:20])
```

[6, 6, 7, 3, 11, 7, 8, 9, 9, 8, 11, 8, 4, 7, 4, 8, 3, 7, 2, 10]

```
In [ ]:
```