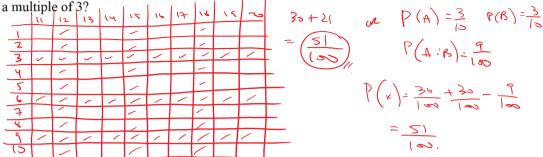
Assign 5b Challenge Probability

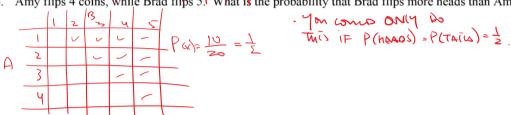
November 27, 2017 10:14 PM

Assignment 5b: Challenge Probability 1. Seven seats are lined up in a row. Two people went to sit on the next to each other? Description	The seats. What is the probability that the probability the probability that the probability the probability that
next to each other? I have to choose 2 call january seasons. The ways to choose 2 call january seasons. The	$P(x) = \frac{6}{21} \times \frac{1}{4}$ that the number on the red die is great
2. A blue and red 20-sided dice are rolled. What is the probability than the blue die? \(\text{LD} \times \text{LD} \) \(\t	that the number on the red die is great
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· 4w-2 = 380.	
· have Blown 190	
, nay med Bhilian 1900	
3. Amy rolls a five sided die and Brad rolls a ten sided die. Amy vis the probability that Amy wins?	vins if her number is greater than Brad's 10 50 - 1
4. Four people (A, B, C, D) line up in a row at random. What is th other but "C" and "D" are not next to each other?	e probability that "A" and "B" are next
ABY	
$-AB \times = \frac{2}{24}$ $= \frac{2}{12}$	

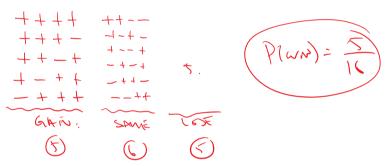
5. Alice picks an integer from 1 to 10 (inclusive) at random and Bob picks an integer from 11 to 20 (inclusive) at random. What is the probability that the product of Alice's number and Bob's number is a multiple of 3?



6. Amy flips 4 coins, while Brad flips 5. What is the probability that Brad flips more heads than Amy?



7. Every day, a stock price goes up 1% with probability 0.5 and down 1% with probability 0.5. After 4 days, what is the probability that the stock price is greater than where it started?



8. 100 people are in a room and each person is to select an envelope. There are 100 envelopes and in one of the envelope is a black card. Each person takes turn taking an envelope and they all open it together at once. Would it be better to select the envelope in the beginning or near the end?