

Instructions:

To fill in each of the blanks below to create Sentence 1, roll a pair of **four-sided** dice and reference the slide deck or table to determine which word to put in the blank. Repeat the process to fill in the rest of the blanks. Then, repeat the entire process to create Sentences 2 & 3.

When you're done, read your sentences aloud. Do they make any sense? Then, answer the questions below!

Sentence 1: _____

Sentence 2: _____

Sentence 3: _____

- Fill in the **outcomes column** with the number of possible configurations of the dice or coins to get each result.
 - For example:* 3 can be rolled if the first die is 1 and the second is 2, OR if the first die is 2 and the second is 1– so there are 2 combinations for a roll of 3.
- Use this to calculate the **probability** of rolling each number.

Dice Total	Outcomes	Probability
2	1	1/16
3	2	2/16
4	3	3/16
5	4	4/16
6	3	3/16
7	2	2/16
8	1	1/16

Total	16	1
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Coins	Outcomes	Probability
HH	1	1/4
One of Each	2	2/4
TT	1	1/4

Total	4	1
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- What is the probability that the first word is "The"?

$$2/4 = 1/2$$

- What is the probability that the first word is "A"?

$$1/4$$

5. Given that word 1 is “A,” this table shows the possibilities for the two words that might follow it. Use this to calculate the probability of rolling each word.

Word 2	Dice Total	Probability	Word 3	Coins	Probability
Pleasant	2	1/16			
Confident	3	2/16			
Caring	4	3/16			
Brave	5	4/16			
Kind	6	3/16	Stranger	HH	1/4
			Coworker	mix	2/4
			Friend	TT	1/4
Scientist	7	2/16			
Secretary	8	1/16			

6. **Given** the first word is “A”, what is the probability the second word is “kind”?

3/16

7. **Given** the partial sentence “A kind”, what is the probability the next word is “friend”?

1/4

8. **Given** the first word is “A”, what is the probability the second word is “kind”?

3/16

9. **Given** the partial sentence “A kind”, what is the probability the next word is “friend”?

1/4

Fill in a final sentence filling in each blank with the **word that has the greatest probability of being rolled for that blank**:

Sentence 4: The Boss Liked His Intelligence

10. What is the probability of creating the exact sentence above?

$$\frac{2}{4} * \frac{4}{16} * \frac{2}{4} * \frac{2}{4} * \frac{2}{4} = \frac{1}{64}$$

11. Does this make a good sentence? Why or why not?

Now navigate to the sentence: “The boss liked **her**...”

12. What do you notice changes when comparing this sentence to Sentence 4? Does this matter? Why?

Note the different adjectives available to the pronoun “he” vs. the pronoun “she”..