

Making Predictions w/ Probability

- ① Determine Probability $\frac{\text{what you want}}{\text{Total outcomes}}$
- ② Multiply Probability by total outcomes

EX. Leo is using a random number generator 400 times. Each time he uses it, he can get a 1, 2, 3, 4, or 5. What is the best prediction for the number of times Leo will get a 5?

Probability: $\frac{1}{5}$ ← one 5
← 5 possible #s

Answer: $400 \cdot \frac{1}{5} = \boxed{80}$