

11.1 INTRO TO PROBABILITY

I. Intro

Standard die



- We will learn 4 different probability formulas, but all are saying the same thing

Prob of something happening

$$= \frac{\# \text{ of ways it can happen}}{\# \text{ of ways every thing can happen}}$$

NOTES.

1) Probability...

2) Experiment: a controlled operation that yields a set of results

Ex) Rolling a standard die

3) Outcomes: the results of an experiment.

Ex) Outcomes are rolling

1, 2, 3, 4, 5, 6

4) Event: a collection (sets) of outcomes with the same effect

- named with capital letters

