

EXPERIMENTAL  
PROBABILITY =  $\frac{\# \text{ OF TIMES AN  
OUTCOME HAPPENED}}{\# \text{ OF TRIALS OR TIMES  
I did the experiment}}$

# OF TRIALS OR TIMES  
I did the experiment

EX COIN FLIP (WIN WITH TAILS)

HEADS	TAILS
###	

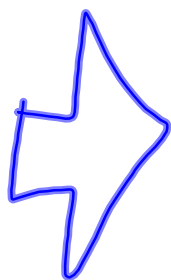
EXP PROB =  $\frac{3 \text{ (\# of times  
IT HAPPENED)}}{10 \text{ (\# of trials)}} = \frac{3}{10}$

## EXPERIMENTAL PROBABILITY

How likely 1 outcome is

Based on a trial or  
experiment

-EX: COIN FLIPS  
H | T  
---  
6 | 4



$$\frac{\text{\# of desired outcomes}}{\text{Total \# of trials}} = \frac{6}{10}$$

TH. PROB of EVEN #  
on dice  $\frac{3}{6} = 0.5$

EXP. PROB of EVEN #  
(10 TRIALS) =  $\frac{7}{10}$