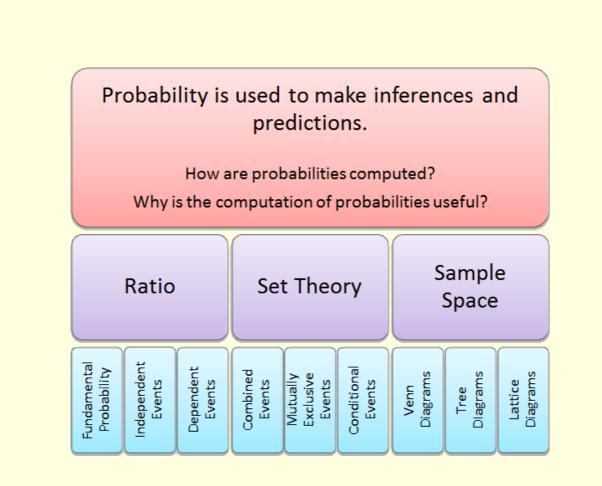
## P.1 What is Probability?

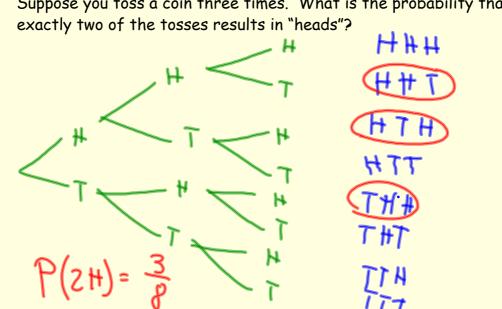


(D) 
$$P(blue) = \frac{1}{4}$$
  
(2)  $P(red) = \frac{6}{22} = \frac{3}{11}$   
 $P(GvY) = \frac{8}{22} = \frac{4}{11}$   
(3)  $P(girl) = \frac{30}{30} = 1$   
 $P(bay) = \frac{3}{30} = 0$ 

A red die and a white die are thrown. What is the probability that the sum of the numbers showing on the dice is 9 or 10?

 $P(9010) = \frac{7}{36}$ 

Red White	1	2	3	4	5	6
1	2	Ŋ	4	5	4	7
2	3	4	Ś	Ŷ	7	~
3	4	Ч,	6	7	8	9)
4	5	4	<u>ר</u>	8	<b>(1</b> )	
5	4	~	V	5		r 71
6	7	න	9	(70)	1	R



Suppose you toss a coin three times. What is the probability that

(1) 
$$P(D) = \frac{4}{38}$$
  
 $P(D') = 1 - \frac{4}{38} = \frac{34}{38}$   
(8)  $P(blue) = \frac{5}{57}$   
 $P(blue') = 1 - \frac{5}{57} = \frac{12}{57}$