## You need out your warm up & agenda Homework: Probability Practice warm up:

1. Convert into 2. Solve: -2x + 45 - 6x = -11

a decimal: 7/8

3) 
$$\frac{1}{4} + \frac{2}{5}$$

Sit silently for the news

## Unit 6 Probability

Probability FYI:

P(event) = favorable number of outcomes total possible outcomes

probability of an event

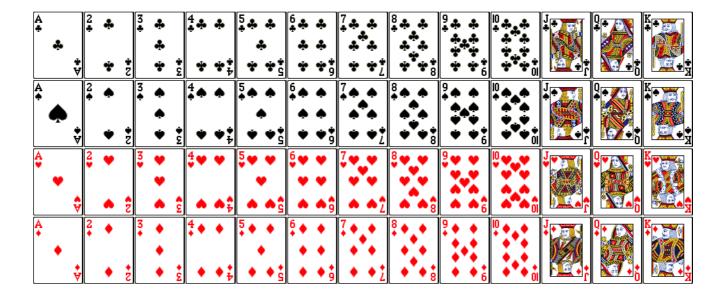
P(yellow)

Rolling a standard die-

What are the possible outcomes of rolling a die? 1, 2, 3, 4, 5, 6

Flipping a coinWhat are the possible outcomes of flipping a coin? heads, tails

Cards-
How many total cards is in a standard deck?
What are the chances I will draw a red card? 26 black card? 26
What are the different face cards? What are the different face cards? What are the different face cards?
What are the different face cards? Clubs spaces  What are the 4 card suits?
How many cards are in each suit?



Probability-Theoretical and Experimental Notes



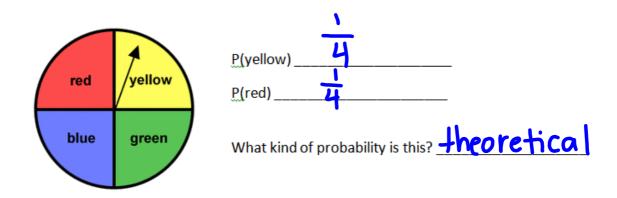


~Probability: The chance an event will occur.

Theoretical Probability: What Should occur when doing an experiment.

~Experimental Probability: What actually happens When doing an experiment.

As the number of attempts increases, the <a href="#">Heoretical</a> and <a href="#">Should become closer in value.</a>



Spin the spinner 10 times with your partner and record what you spin:

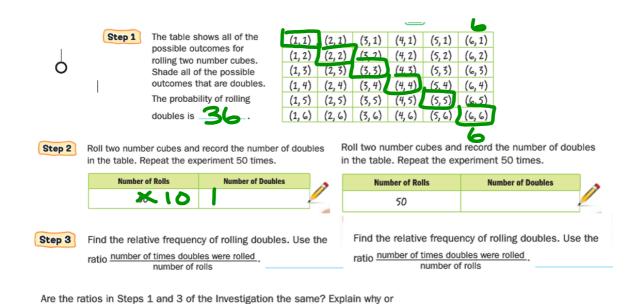
Color	Tally	
Red		
Yellow		
Blue		
Green		
Answer the following questions	based on your results:	
<u>P(</u> yellow)		
<u>P(</u> red)		Sallon State
What kind of probability is this?		n s

## Probability:

 $P(event) = \frac{\text{number of favorable outcomes}}{\text{number of possible outcomes}}$ 

Example: What is the probability of rolling an even number?

why not.



Suppose the number cubes are rolled 100 times. Would you expect the results to be the same? Explain why or why not.

