May 17, 2012 Get out your homework



5/17 - Basic Counting Principle, Sample Space and Simple Probability

If you were to choose one item from each category in order to create a meal, how many meals could you create?

Main Dish Side Dish Drink Dessert

Pizza Tatentots Milk Cookie
Lasagna Chip Choc Milk Tre Cream

Salad Fruit

Vegies

3
- 4
- 96 possibilities

If you were to choose one item from each category in order to create an outfit, how many outfits could you create?

Top

Teans

Long steeve Shorts

Hoodie

3

- 18 outfits

Create an abbreviated Sample Space for the information on the last page.

Long Sleeve Shorts Vano
Hoodie Gym Shorts

TST LST HST

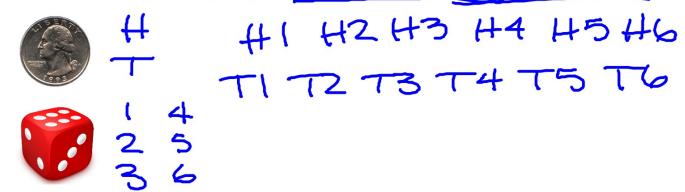
TST LST HST

TSV LSV HSV

TGT LGT HGT

TGV LGV HGV

Create an abbreviated Sample Space for flipping a coin and then rolling a 6-sided die.

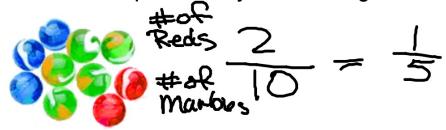


Create an abbreviated Sample Space for spinning this spinner then flipping a coin.



Probability of an event happening = $\frac{\text{Number of ways the event can occur}}{\text{Total number of possible events}}$

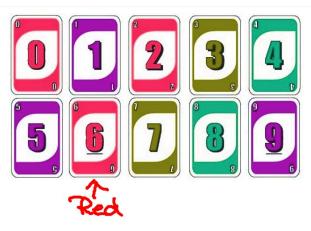
What is the probability of drawing a red marble out of this pile?



What is the probability of drawing a blue marble?

What is the probability of **not** drawing a red marble?

$$\frac{8}{10} = \frac{4}{5}$$



What is the probability of randomly drawing a red card from this group?

$$P(2) = \frac{1}{(0)}$$

P(even)=
$$\frac{5}{10} = \frac{1}{2}$$

Homework

Pink Probability WS1

Due Tomorrow Friday