

Warm Up: Alg 2

8/21 Day 3

Using the **sample space** from the kindergarten task find the probability of:

- 1) All the same color
- 2) Red being the first color
- 3) Red being the **first and last color**

Feb 27-7:39 AM

Solutions to P.W.:

The sample space consists of 48 outcomes, each represented by a circle, a triangle, and a square. The outcomes are grouped as follows:

- one color:** 3 outcomes (all shapes are the same color).
- 2 colors:** 24 outcomes (two shapes are one color, the third is a different color).
- 3 colors:** 21 outcomes (all three shapes are different colors).

Handwritten labels and arrows indicate these groupings:

- A purple arrow points to the first three outcomes, labeled "one color".
- Red text "2 colors" is written below the middle 24 outcomes.
- Purple text "3 colors" is written below the last 21 outcomes.

Dec 31-10:07 PM

W.A.L.T.:

Day 3

Connect our understanding of sample space to start find the probabilities of a single event.

W.A.S.I.:

We can use the sample space to write out probabilities using **correct notation**.

Mar 7-9:45 AM

Notes!!! Probability

If all the outcomes are **equally likely**, then

$$P(\text{event}) = \frac{\text{number of outcomes in the event}}{\text{number of outcomes in the sample space}}$$

Dec 31-10:01 PM

In Class Work:

Day 3

Lets look at the warm up and use better notation. Find the probability of:

- 1) All the same color
- 2) Red being the first color
- 3) Red being the first and last color

Mar 7-1:33 PM

In Class Work:

Day 3

- 1) In probability, what is the word or phrase for the set of all possible outcomes?
- 2) How is the probability of an event that does not happen related to the probability that the event happens?

Mar 7-1:33 PM

In Class Work:**Day 3**

- 3) What is the smallest possible value for a probability?
- 4) What is the largest possible value for a probability?
- 5) If we selected a human at random in this room, what is the probability they have glasses.

Mar 7-1:33 PM

Today's Activities:

- Notes, In Class work

P.W. for tonight:

- Finish the First side of the paper handed out

Dec 31-9:59 PM