

Math 7, Unit 6:

Data Analysis and Probability

Our Learning Goals:

We will...

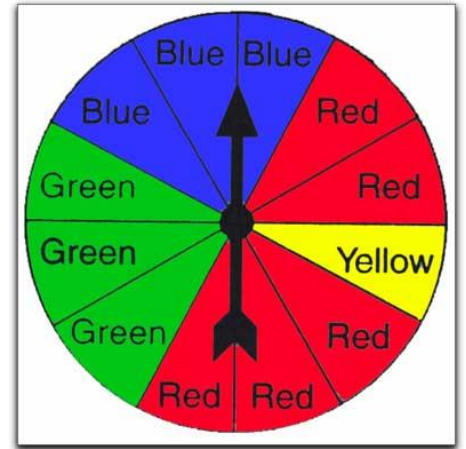
- ✓ Represent probability in decimal, fraction, and percent form.
- ✓ Understand the interrelation of theoretical and experiment probabilities.
- ✓ Design and carry out simulations to make educated predictions.
- ✓ Create graphs to describe data
- ✓ Apply proportionality to make generalizations and predictions concerning a population

Why do we study this?

- ❖ Probability is used to make decisions in everyday situations; it is the likeliness that something will (or will not) occur. Your chance of winning a simple game of 'Rock, Paper, Scissors' models probability.
- ❖ Statistics are used in daily life. We use statistics to make informed decisions and predictions. For example, the most popular brands and flavors to determine orders that will maximize future sales.

How we will show what we have learned...

Formative Assessments	Summative Assessments
Ongoing formative assessments during lesson and homework activities will help in monitoring learning and providing feedback for students.	Summative assessments to measure learning at the end of concepts may include the following: <ul style="list-style-type: none"> • Probability Test • Statistics Test • Unit 6 Exam (District-wide)



Sample Problem:

Juan made a spinner with equal sections as shown above. If Juan spins only one time, what is the probability the arrow will NOT land on a red section of the spinner?

Additional Support:

- Check the teacher web page for notes, activities, and assignments.
- Search the topic on the web. We recommend using Khan Academy. www.emsisd.com/khan
- Attend tutorials.