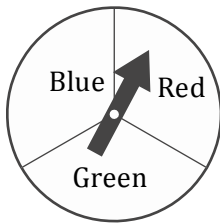


SAGE/Term 4 REVIEW – Statistics and Probability

1. List all of the outcomes for flipping a coin 3 times.

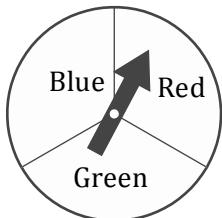
- a. What is $P(\text{at least one heads})$? _____
- b. What is $P(\text{at least two tails})$? _____
- c. What is $P(\text{Tail, Tail, Head})$? _____
- d. What is $P(\text{Tails, Tails, Tails})$? _____

2. You are spinning the spinner below once and then rolling a die. List all possible outcomes (the Sample Space).



- a. What is the $P(\text{yellow, 6})$? _____
- b. What is the probability of a red and an odd? _____
- c. What is the $P(\text{green or 1})$? _____
- d. What is $P(\text{blue, multiple of 3})$? _____

3. You spin the spinner below once and then flip a coin. List all possible outcomes (the Sample Space).



- a. What is the probability that you will spin a blue and then get a Tail? _____
- b. What is the probability of green or heads? _____
- c. What is $P(\text{blue or red})$? _____

3. Which measure of center is best for:
 - a. Mr. Sackett's data? Explain your reasoning.

 - b. Mrs. McBride's data? Explain your reasoning.
4. Based on your observations, which teacher's students did better on the EMT? Explain your reasoning.
5. If your average score on the 5 assignments in unit 12 was a 70%, what would you predict your score on the EMT would be? Explain your reasoning.
6. If 20% of the Skittles in a fun size bag are yellow, how many Skittles out of 200 would you expect to be yellow?
7. If 1 out of every 6 students did not do their assignment, then how many out of the 420 students in 7th grade didn't do their homework?