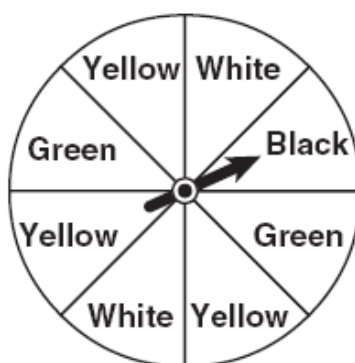


Name: _____

Probability

- Ahmed is posting 1 photograph on his website. He has narrowed his choices to 4 landscape photographs and 3 portraits. If he chooses the photograph at random, find the probability of each selection.
 - $P(\text{portrait})$
 - $P(\text{landscape})$
- The Simpsons have a collection of 28 video movies, including 12 westerns and 16 science fiction. Elise selects one of the movies at random to bring to a sleep-over at her friend's house. Find the probability of each selection.
 - $P(\text{western})$
 - $P(\text{science fiction})$
 - $P(\text{comedy})$
- A six-sided number cube has faces with the numbers 1 through 6 marked on it. What is the probability to have:
 - a number less than 3
 - an even number
 - an odd number
 - the number 7
 - a number greater than 1
 - a number less than or equal to 6
- A spinner is divided into eight equal regions as shown in the diagram below.



- What is the probability of landing on:
 - Yellow
 - Green
 - Black
 - White
- Which event is most likely to occur in one spin?