

## Making Predictions - I

1. Use the words certain, likely, equally likely, unlikely, or impossible to describe the probability.

- a. The day after Monday is Tuesday. \_\_\_\_\_
- b. Sum of 3 and 15 is 19. \_\_\_\_\_
- c. All the internal angles of an equilateral triangle are acute. \_\_\_\_\_
- d. Getting heads on tossing a coin once. \_\_\_\_\_
- e. Getting Jack of spades if a card is randomly picked up from a standard suit of 52 cards. \_\_\_\_\_

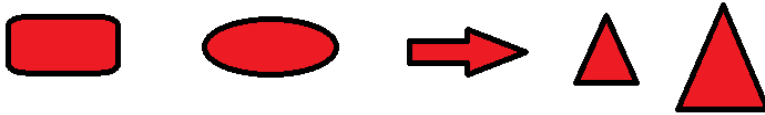
2. Probability of how many of the following experiments is equally likely?

- Picking 1 from the set of 1<sup>st</sup> 10 natural numbers.
- Getting 4 on a single throw of a regular cubical dice.
- A randomly chosen month of a year is March.

Solution:

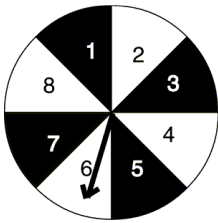
3. Use the words certain, likely, equally likely, unlikely, or impossible to describe the probability.

a. Probability of choosing a triangle from the following:



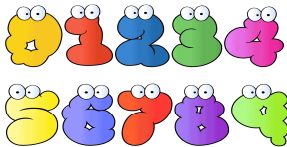
Solution:

b. Probability of the spinner stopping in black region



Solution:

c. Probability of randomly chosen number being even from the set of numbers shown below:



Solution:

4. If a king of spade is removed from the standard deck of 52 cards, the probability of picking a black card is still likely. Is it true or false? Explain.

Solution: