

Name: _____

Classical Probability – Probability of an Event

- 1) A bag contains lemon flavored candies only. Melina takes out one candy without looking into the bag. What is the probability that she takes out:
 - 1) An orange flavored candy?
 - 2) A lemon flavored candy?
- 2) Why is tossing a coin considered to be a fair way of deciding which team should get the ball at the beginning of a football game?
- 3) Two dice, one blue and one grey, are thrown at the same time. Write down all the possible outcomes. What is the probability that the sum of the two numbers appearing on the top of the dice is:
 - 1) 8?
 - 2) 13?
 - 3) Less than or equal to 12?
- 4) A carton consists of 100 shirts of which 88 are good, 8 have minor defects and 4 have major defects. Jimmy, a trader, will only accept the shirts which are good, but Sujatha, another trader, will only reject the shirts which have major defects. One shirt is drawn at random from the carton. What is the probability that:
 - 1) It is acceptable to Jimmy?
 - 2) It is acceptable to Sujatha?