

Name: _____
Per # _____
Math 7

March 9, 2020

Independent Events Worksheet

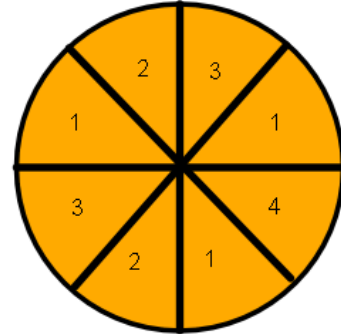
1. The spinner at the right is spun once and a card is drawn from a deck of 4 cards labeled A, B, C, and D. Find the following probabilities:

a) $P(3 \text{ and } A)$ _____ e) $P(5 \text{ and } C)$ _____

b) $P(4 \text{ and } B \text{ or } C)$ _____

c) $P(\text{not } 4 \text{ and } C)$ _____

d) $P(1 \text{ and not } D)$ _____



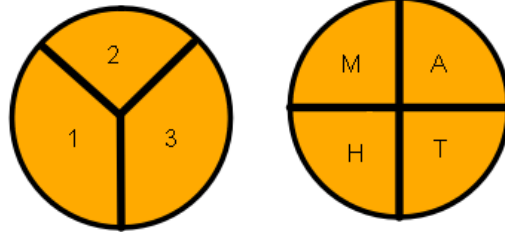
2. Each of the spinners at the right is spun once. Find the probability:

a) $P(M \text{ and an odd \#})$ _____

b) $P(\text{a vowel and a } \# < 3)$ _____

c) $P(\text{not } H \text{ and a prime \#})$ _____

d) $P(\text{a letter and a \#})$ _____



3. One deck of cards is numbered 1-12 and a second deck of cards is numbered 1-9. A card is drawn from the 12 card deck, then from the 9 card deck. Find the probability:

a) P(4 and 4) _____

d) P(not 5 or 8 and an even #) _____

b) P(an even # and an odd #) _____

e) P(not 11 and a factor of 9) _____

c) P(a factor of 10 and a multiple of 3) _____

f) P(a composite # and a prime #) _____

4. A jar contains 8 marbles: 3 black, 2 yellow, 2 blue, and 1 purple. Two marbles are drawn with replacement. What is the probability?

a) P(black and yellow) _____

c) P(yellow or purple, then blue) _____

b) P(black and blue) _____