

Warm up for Fri wk 10

1. How many 6 digit passwords can be created with numbers only that cannot repeat?
2. In a club of 15, how many ways can 3 people be chosen to represent their club?
3. When rolling two dice, what is the probability of rolling a sum that is a multiple of 3 or a sum greater than 8?
4. How many ways can you arrange the letters of MONTANA?
5. What is the probability of rolling a multiple of 3 on a die and then flipping a tails?
6. There are 15 members on the ski team and 17 members in Key Club. There are 5 members in both clubs. What is the probability that you will random select a member that is in both clubs given that the member is on the ski team?
7. How many integers from 1-720 are divisible by 2 or 3? What is the probability that you will choose a number that is NOT divisible by 2 or 3?
8. There are 6 Baby Ruth and 8 Snickers bars in a dish. What is the probability that you will choose 2 Baby Ruth and 3 Snickers if you grab 5 bars at once?

WORK:

More warm up for Fri wk 10

What is the probability:

1. of rolling a 4 then an odd number on two rolls of a die?
2. of flipping a tails, rolling a multiple of 5, and choosing an ace from a deck of card?
3. choosing 3 white and 4 red from 9 white and 6 red marbles?
4. choosing a red then a blue from 7 red and 2 blue without replacement?

How many ways:

5. can you arrange the letters of MISSISSIPPI?
6. 6 kids on a six horse merry go round?
7. can you award 1st, 2nd, and 3rd place if there are 7 runners?
8. can you give 6 identical cupcakes to 11 kids?

WORK: