- How many elements are in the sample space when you flip a coin and spin a spinner with 5 sections (A-E)?
 List the sample space.
- 2. Find P(picking a card that is not a face card) meaning not a Jack, King, or Queen.
- 3. Find P(picking card that is a multiple of 4) ______
- 4. Find P(picking an Ace) _____
- 5. Three students Katherine (K), Michael (M), and Dana (D) want to go to a concert but there are only 2 tickets available. Two of the three students are selected at random.
 - a. What is the sample space of who attends the concert? _____
 - b. What is the probability that Katherine attends the concert? _____
- 6. You play a game where one player gets a point if the difference between two dice is 0, 1, or 2. The other player gets a point if the difference between the two dice is 3, 4, or 5.
 - a. Is this a fair game? Explain using probability. (Make a table to see the sample space.)

- b. If the game is not fair, how can you change it to make it fair?
- 7. When playing a game, Player A wins if the sum of two dice is 2, 4, 5, 9, 10, or 12. Player B wins if the sum if 3, 6, 7, 8, or 11.
 - a. Is this a fair game? Explain using probability. (Use your dice table in your notebook or draw a table.)

b. If the game is not fair, how can you change it to make it fair?