Willard Middle School

PRETEST - Power Standard 7:8

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1. A bag is filled with marbles. Six are blue, three are red, and five are white. After a marble is picked from the bag it is not replaced. What is the probability of picking a red marble and then a white marble?
2. 1/7
3. 4/7
4. 8/27
5. 15/91
6. Jared randomly surveyed some students at his school to determine their lunch habits. Of the students surveyed, 19 bring their lunch from home, 27 buy a school lunch, and 4 don’t eat. If there are 268 students at Jared’s school, predict how many bring their lunch from home.
7. The chance of having either a boy or a girl is 50%. If the Blake family has 3 children what is the probability that they will have exactly 2 girls and 1 boy. Draw a tree diagram to show how you arrived at your answer.
8. Ruby Tuesday is having a 3 course dinner special for $9.99. If there are 5 possible appetizers, 8 possible entrees, and 3 possible desserts to choose from, how many dinner combinations are possible?

1. Shane rolls a number cube is 78 times. Theoretically, how many 4’s can he expect to get?