

Scavenger Hunt: **What are the Odds?**

Name:

When working with probability we must also consider the odds of an event happening. While probability is the chance that an event happens divided by the total, odds is the chance of an event happening over the chance of it not happening. You must find the correct odds of at least ten of the following events and write your initial fraction and the reduced fraction to get full credit. Any other ones that you find correctly will be extra points. You should NOT have to interrupt any classes to complete this assignment. You should team up with at least one other classmate but you must each hand in your own paper to get credit. Some of the information can be found using our website at www.dallastown.net. Happy hunting!

1) Of all the lockers in THIS hallway, what are the odds of choosing a locker with a zero in the locker number?

2) Of all the secretaries (main office, attendance office, and counseling office), what are the odds of choosing a secretary with long hair (at least shoulder length)?

3) Of all the science teachers in the 200 wing, what are the odds of choosing a female teacher?

4) Of all the classrooms in the 400 wing, what are the odds of choosing a math classroom?

5) Of all the chairs in the library, what are the odds of choosing a bean bag chair?

6) Of all the Tikis in the art hallway, what are the odds of selecting one that is mostly orange?

7) Of all the public TVs (main lobby, cafeteria, and library), what are the odds of choosing one in the cafeteria?

8) Of all the chairs in the lunchroom, what are the odds of choosing a blue one?

9) Of all the student vending machines, what are the odds of selecting one that sells water?

10) Of all the teachers in the 300 wing, what are the odds of selecting an English teacher?

11) Of all of the guidance counselors, what are the odds of selecting a male?

12) Of all the Teachers in the downstairs wing, what are the odds of choosing one that teaches AP US History?

13) Of all the plants in the math lab, what are the odds of choosing one with pink flowers?

14) Of all the administrators in the main office, what are the odds of choosing one who was in that same office last year?

15) Of all the children in child care, what are the odds of choosing a girl (their pictures are in the showcase)?

16) Of all the math teachers in the school, what are the odds of choosing one that teaches Geometry this year?

17) Of all the books in the library, what are the odds of choosing one that is non-fiction (not including electronic books)?

18) Of all the awards in the case outside the gym lobby, what are the odds of choosing one for basketball?

19) Of all the math posters in the 200 wing, what are the odds of choosing one that explains a Geometry topic?

20) Of all the chairs in our classroom, what are the odds of choosing an orange one?