**Chapter 5 Outline - Probability**

**Homework**

(For help, check out glausermath.weebly.com)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **13 Monday**  *5.1a Probability basics*  #3, 8, 9, 11 | **14 Tuesday**  *5.1b Simulations*  #13, 15a, 19, 25 | **15 Wednesday**  *5.2a Rules of Probability*  #27, 40, 45,  47, 57, 58 | **16 Thursday**  Test 4 Corrections Due  *5.2b Diagrams*  #49, 51, 53,  55, 59-60  **Parent Teacher Conferences** | **17 Friday**  POW #6 Due  *5.3a Conditional, Independence, etc…*  #63, 65, 67,  69, 77, 79 |
| **20**  **MLK DAY**  **No School** | **21**  *5.3b Conditional, Independence, etc…*  #83, 85, 89,  93, 95, 99 | **22**  *Review* | **23**  ***CH. 5 TEST*** | **24**  POW #7 Due  *6.1a* |

**Vocabulary**

**Chapter Objectives**

1. Understand the law of large numbers
2. Perform a simulation of a probability situation
3. Use the basic rules of probability to solve problems.
   * Complement Rule
   * Addition Rule
   * Multiplication Rule
4. Determine whether 2 events are independent
5. Describe the intersection and union of two events
6. Solve problems involving conditional probabilities
7. Use diagrams to find probabilities
   * Venn diagrams
   * Tree diagrams
   * Two-way tables

* Law of large numbers
* Probability
* Simulation
* Sample space
* Event
* Complement
* Mutually Exclusive (disjoint)
* Union
* Intersection
* Conditional Probability
* Independent