**General Information:**

* Test is on Monday, June 4th (Periods 1, 3, 5) OR Tuesday, June 5th (Period 2, 4, 6) and covers all of the content we have covered this year
* You will have the entire block class period to complete it and it will be taken independently
* Calculators ***are*** allowed on the test.
* There is only one component: *Multiple Choice (35 questions*). It must be completed in the block period, no extra time will be given

**How to use this guide:**

* Do a few problems on each of the topics listed below (from the homework, classwork, previous quiz/test problems, and in your textbook)
* Ask questions in class, after school, or in Math Help on topics that you are still confused about

**Things you will be expected to be able to do and explain on the test:**

* **Integers**
  + add, subtract, divide, multiply integers
  + Solve real-word problems using operations on integers
* **Ratios & Proportions:**
  + Find unit rates
  + Solve proportions
  + Create proportions to model a situation
  + Use your knowledge of ratios and proportions to solve real-world problems
  + Identify proportional relationships given table, graph, or rule
* **Rational Numbers**
  + Solve real-word problems using operations on rational numbers
* **Expressions**
  + Create expressions given a statement in English (“what’s my number” type of problems)
  + Simplify expressions involving Absolute Value
* **Equations**
  + Solve multi-step equations
* **Inequalities**
  + Solve inequalities
  + Graph inequalities
* **Percents**
  + Find percents of numbers
  + Percent increase/decrease
  + Sales/Discounts/Markups word problems

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* **Probability/Statistics**
  + Find mean of a set of data
  + Solve basic and compound probability problems (including probability trees)
  + Experimental vs. Theoretical probabilities
  + Find complement of an event
* **Identify and apply angle relationships**
  + complementary, supplementary, vertical
* **Circles**
  + Different parts of the circle
  + Compute circumference
  + Compute area
* **Triangles**
  + Classify by angles and sides
  + Finding missing angles in triangles
* **3D Geometry**
  + Find surface area and volume of prisms (triangular/rectangular) and pyramids (square/triangular)
  + Describing 2D shapes formed by slices of 3D shapes
* **Area**
  + Find area of rectangles/squares and composite figures

**If you use your textbook to study, visit *the table of contents* to find the chapter/topic you need more help with and then visit the pages listed there.**

* Chapter 1 Integers
* Chapter 2 Rational Numbers
* Chapter 3 Expression & Equations
* Chapter 4 Inequalities
* Chapter 5 Rations & Proportions
* Chapter 6 Percents
* Chapter 7 Angles/Triangles
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