Math 8 OnLevel

Related

Standards

Key

Standards

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| **Unit 6: Systems of Equations and**  **Inequalities**http://www.mathwarehouse.com/algebra/linear_equation/systems-of-equation/images/solution-system-linear-equation-answer.jpg | **M8A2. Students will understand and graph inequalities in one variable.**            a. Represent a given situation using an inequality in one variable. (PSAT – M4); (ACT)             b. Use the properties of inequality to solve inequalities. (PSAT – M5); (ACT)            c. Graph the solution of an inequality on a number line.            d. Interpret solutions in problem contexts.**M8A4. Students will graph and analyze graphs of linear equations and inequalities.**e. Graph the solution set of a linear inequality, identifying whether the solution set is an open or a closed half-plane. (PSAT – M2); (ACT)**M8A5. Students will understand systems of linear equations and inequalities and use them to solve problems.** 1. Given a problem context, write an appropriate system of linear equations or inequalities.

b. Solve systems of equations graphically and algebraically, using technology as appropriate. c. Graph the solution set of a system of linear inequalities in two variables. d. Interpret solutions in problem contexts.  | **M8G1. Students will understand and apply the properties of parallel and perpendicular lines and understand the meaning of congruence.** **M8A1. Students will use algebra to represent, analyze, and solve problems.** **M8A3. Students will understand relations and linear functions.** **M8A4. Students will graph and analyze graphs of linear equations and inequalities.**  |
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| Mon | Tue | Wed | Thu | Fri |
| **2/20****NO SCHOOL!!!**  | **2/21** - Solving Inequalities Review  | **2/22** **-** - Solving Inequalities (Word Problems)PRACTICE CRCT Reading | **2/23** - Solving Inequalities (Word Problems)PRACTICE CRCT Language Arts | **2/24****-**  **Unit 5 Review**(Stations)PRACTICE CRCT MATH |
| **2/27****Unit 5 Review****(Day 2)**PRACTICE CRCT Science  | **2/28**-  **Unit 5 Review** **(DAY 3)** PRACTICE CRCT Social Studies | **2/29** **-UNIT 5 TEST** | **3/1****-**Solving Systems of Liner Equations by Graphing | **3/2****-**Solving Systems of Liner Equations by Graphing |
| 3/5**-**Solving Systems of Liner Equations by Graphing | 3/6**-**Solving Systems of Liner Equations (Plug and Chug) | 3/7**-**Solving Systems of Liner Equations (Plug and Chug) | 3/8- Solving systems of Liner InequalitiesHOLT 6-5 | **3/9 teacher workday !!!** **no school**  |
| 3/12 Solving Systems of Linear InequalitiesHolt 6-6 | 3/13 - Solving Systems of Liner Equations (Word Problems WS4) | 3/14**-Unit 6 Review** | 3/15  **Unit 6 Review** **(DAY 2)**  | 3/16 **-UNIT 6 TEST** |
| 3/19**Probability** | 3/20 | 3/21  | 3/22 | 3/23 |

 | Vocabulary

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| *Combination/Elimination Method:* a method used to solve systems of equations in which one variable is eliminated by adding or subtracting two equations of the system.                                 *Consistent System:*a system with at least one solution.*Dependent System:* has infinitely many solutions. The graph of a dependent system consists of two coincident lines.*Inconsistent System:* a system that has no solution.*Independent System:* has exactly one solution. The graph of an independent system consists of two intersecting lines.*Solution of a System of Linear Equations:* an ordered pair that satisfies each equation in the system. So, if an ordered pair is a solution, it will make both equations true.*Solution of a System of Linear Inequalities:* any ordered pair that makes the inequality true.*Standard form of a linear equation*: Ax+By = C where A, B, and C are real numbers and A and B are not both zero.*System of Equation:* Two or more equations that together define a relationship between variables usually in a problem situation. It can have no solution, one solution, or many solutions.*System of Linear Equations:* a set of two or more linear equations containing two or more variables.*System of Linear Inequalities:* a set of two or more linear inequalities containing two or more variables |

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