**Math 8 – Jabal Moss**

**Lesson Plans Week of February 24 - 28, 2025**

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| **Standards** | | **8. FGR. 7**: **JUSTIFY** and **USE** various strategies to solve systems of linear equations to model and explain real-life phenomena.   * **8.FGR.7.1:** **Interpret** and **solve** relevant mathematical problems leading to two linear equations in two variables. * **8.FGR.7.2:** **Show** and **explain** that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because the points of intersection satisfy both equations simultaneously. * **8.FGR.7.3:** **Approximate** solutions of two linear equations in two variables by graphing the equations and **solving** simple cases by inspection. * **8.FGR.7.4:** **Analyze** and **solve** systems of two linear equations in two variables algebraically to find exact solutions. * **8.FGR.7.5:** **Create** and **compare** the equations of two lines that are either parallel to each other, perpendicular to each other, or neither parallel nor perpendicular.   **MP.1 Make sense** of problems and **persevere** in solving them. **MP.2**: **Reason** abstractly and quantitatively, **MP.4**: **Model** with mathematics, **MP.7** **Look for** and **make use** of structure. | | | | | | | | | | |
| **Vocabulary of the Unit** | |  | | | | | | | | | | |
| **District/State Assessment:** | | | | | **Formative Assessment:** | | | | **Summative Assessment:** | | | |
| CMA1  CMA2  CMA3 | | | iReady Diagnostic  GMAs | | Quiz  Quick Write  Check for Understanding | | Performance Task  Up and Stuck  Exit Ticket | | Unit Test  Mid Unit Test  Vocabulary Test | | Project  Culminating Task | |
|  | **Learning Target** | | | **Engage** | | **Explore/Explain** | | **Apply** | | **Reflect** | | **Success Criteria** |
| **Monday**  **(02/24)** | I AM LEARNING TO...  **SOLVE** systems of equations by graphing and **CHECK** that my solution is correct. | | | **Number Talks:**  Number Sense Routine  **ENGAGE:**  Graphing Relay Race | | **Explore:**  Build Understanding Task and Step It Out Task | | **APPLY:**  Solving Systems of Equations by Graphing Scavenger Hunt | | **REFLECT:**  HMH – Check for Understanding | | I EXPLAIN HOW TO… **SOLVE** a system of linear equations by graphing, **CHECK** that my solution is correct, and **EXPLAIN** why two linear equations with the same slope will never intersect unless they describe the same line. |
| **Tuesday**  **(02/25)** | I AM LEARNING TO...  **SOLVE** systems of equations by graphing and **CHECK** that my solution is correct. | | | **Number Talks:**  Number Sense Routine  **ENGAGE:**  Understanding Solutions Review | | **Explore:**  Reteach Worksheet (Interactive) | | **EXTEND:**  Station-Rotation  **Independent Station:**  Solving Systems of Equations by Graphing “On Your Own” Practice  **Reteach Station:**  Misconceptions Roundtable  **Technology Station:**  Delta Math | | **REFLECT:**  5 Question Assessment | | I EXPLAIN HOW TO… **SOLVE** a system of linear equations by graphing, **CHECK** that my solution is correct, and **EXPLAIN** why two linear equations with the same slope will never intersect unless they describe the same line. |
| **Wednesday**  **(02/26)** | I AM LEARNING HOW TO…  **SOLVE** a system of linear equations using the substitution method and **INTERPRET** the solution in context. | | | **Number Talks:**  Number Sense Routine  **ENGAGE:**  Activate Prior Knowledge – Steps to Solving Multi-Step Equations | | **Explore:**  Literacy Connection – Spark Your Learning (State Fair Task) and Build Understanding Task | | **APPLY:**  Collaborative Groups: Step It Out Problems | | **REFLECT:**  HMH – Check for Understanding | | I CAN EXPLAIN HOW TO…  **SOLVE** one equation for one variable, **SUBSTITUTE** the expression into the other equation and **SOLVE** for the other variable, and **CHECK** my solution for accuracy and **EXPLAIN** my reasoning. |
| **Thursday**  **(02/27)** | I AM LEARNING HOW TO…  **SOLVE** a system of linear equations using the substitution method and **INTERPRET** the solution in context. | | | **Number Talks:**  Number Sense Routine  **ENGAGE:**  Notebooks and Pens Think-Pair-Share | | **EXPLORE:**  Reteach Worksheet (Interactive) | | **EXTEND:**  Station-Rotation  **Independent Station:**  Solving Systems of Equations by Substitution “On Your Own”  **Reteach Station:**  Misconceptions Roundtable  **Technology Station:**  Delta Math | | **REFLECT:**  5-question assessment | | I CAN EXPLAIN HOW TO…  **SOLVE** one equation for one variable, **SUBSTITUTE** the expression into the other equation and **SOLVE** for the other variable, and **CHECK** my solution for accuracy and **EXPLAIN** my reasoning. |
| **Friday**  **(02/28)** | I AM LEARNING HOW TO…  **SOLVE** a system of linear equations using the substitution method and **INTERPRET** the solution in context. | | | **Number Talks:**  Number Sense Routine  **ENGAGE:**  Interactive Graphing Activity | | **EXPLORE**:  Cloze Notes – Understanding the Substitution Method | | **APPLY:**  Illustrative Math Task – Fix the Furnace | | **EXIT Ticket**:  Quick Write – What are the steps to solving a system of equations by substitution | | I CAN EXPLAIN HOW TO…  **SOLVE** one equation for one variable, **SUBSTITUTE** the expression into the other equation and **SOLVE** for the other variable, and **CHECK** my solution for accuracy and **EXPLAIN** my reasoning. |

**Study Skills…**

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|  | **Teacher Led** | **Personalized Learning** | **Student Station** |
| **Monday**  **(02/24)** | Understanding Solving Equations | i-Ready ELA Lesson | Silent Reading/Make-up Work |
| **Tuesday**  **(02/25)** | Understanding Solving Equations | i-Ready ELA Lesson | Silent Reading/Make-up Work |
| **Wednesday**  **(02/26)** | Team 8A Data Chats | Team 8A Data Chats | Team 8A Data Chat |
| **Thursday**  **(02/27)** | Understanding Solving Equations | i-Ready Math Lesson | Silent Reading/Make-up Work |
| **Friday**  **(02/28)** | Understanding Solving Equations | i-Ready Math Lesson | Silent Reading/Make-Up Work |