**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 | [x] Quiz[ ] Quick Write[x] Check for Understanding | [ ] Performance Task[ ] Up and Stuck[x] 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 |