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| Standard: **AA.FGR.3 Explore and analyze structures and patterns for exponential and logarithmic functions and use exponential and logarithmic expressions, equations, and functions to model real-life phenomena.**  **Assessment**: ☐ Quiz ☐ Unit Test ☐ Project ☐ Lab ☐ None | | | | | | | | |
|  | *C:\Users\thiyasr\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FEF22E5.tmp*  **Learning Target**    **Success Criteria 1**    **Success Criteria 2** | **Activation of Learning**  *(5 min)* | **Focused Instruction**  *(10 min)*  ***\*I DO*** | **Guided Instruction**  *(10 min)*  ***\*WE DO*** | **Collaborative**  **Learning**  *(10 min)*  ***\*Y’ALL DO*** | **Independent Learning**  *(10 min)*  ***\*YOU DO*** | | **Closing**  *(5 min)* |
| * Do Now * Quick Write\* * Think/Pair/Share * Polls * Notice/Wonder * Number Talks * Engaging Video * Open-Ended Question | * Think Aloud * Visuals * Demonstration * Analogies\* * Worked Examples * Nearpod Activity * Mnemonic Devices\* | * Socratic Seminar \* * Call/Response * Probing Questions * Graphic Organizer * Nearpod Activity * Digital Whiteboard | * Jigsaw\* * Discussions\* * Expert Groups * Labs * Stations * Think/Pair/Share * Create Visuals * Gallery Walk | * Written Response\* * Digital Portfolio * Presentation * Canvas Assignment * Choice Board * Independent Project * Portfolio | | * Group Discussion * Exit Ticket * 3-2-1 * Parking Lot * Journaling\* * Nearpod |
| **Monday** | **Learning Objective (LO)**  **Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.**  **Success Criteria (SC)**  **I can evaluate, simplify, and transform exponential and logarithmic expressions.**  **I can apply properties of exponents and logarithms to solve equations.**  **I can interpret and model real-world situations using exponential and logarithmic functions.**  **I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick warm-up with 3 review questions (mix of exponential growth/decay & logarithm evaluation | Teacher models solving exponential equations with logs. | Class works through 2–3 study guide questions together. | In pairs, students compare answers and justify steps. | Students work independently on study guide problems. | | Exit ticket – “Explain one strategy for solving a log equation.” |
| **Tuesday** | **Learning Objective (LO)**  **Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.**  **Success Criteria (SC)**  **I can evaluate, simplify, and transform exponential and logarithmic expressions.**  **I can apply properties of exponents and logarithms to solve equations.**  **I can interpret and model real-world situations using exponential and logarithmic functions.**  **I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Review yesterday’s exit ticket; correct misconceptions. | Teacher models solving logarithmic equations using properties (change of base, product/quotient/power rules) | Class practices problems involving log properties. | Small groups solve application word problems (e.g., population growth, pH scale). | | Students complete 5 practice problems on their study guide. | Rate your confidence level for the test (1–5) and name one area to review |
| **Wednesday** | **Learning Objective (LO)**  **Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.**  **Success Criteria (SC)**  **I can evaluate, simplify, and transform exponential and logarithmic expressions.**  **I can apply properties of exponents and logarithms to solve equations.**  **I can interpret and model real-world situations using exponential and logarithmic functions.**  **I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Short Kahoot/Quizizz review on exponential properties | Teacher reviews common errors from study guide. | Teacher + students go over selected tough problems. | Students create 2 original exponential/logarithmic problems and trade with a partner. | Final study guide completion. | | What strategy will you use first when you see a log or exponential equation on the test?” |
| **Thursday** | **Learning Objective (LO)**  **Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.**  **Success Criteria (SC)**  **I can evaluate, simplify, and transform exponential and logarithmic expressions.**  **I can apply properties of exponents and logarithms to solve equations.**  **I can interpret and model real-world situations using exponential and logarithmic functions.**  **I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick motivational review and reminders. | Clarify instructions, answer student questions. | **UNIT 2 ASSESSMENT** | | | | Which question type was easiest for you? Hardest? |
| **Friday** | **Learning Objective (LO)**  **Students will demonstrate mastery of exponential and logarithmic functions by solving problems, applying properties, and justifying reasoning in preparation for the Unit 2 Assessment.**  **Success Criteria (SC)**  **I can evaluate, simplify, and transform exponential and logarithmic expressions.**  **I can apply properties of exponents and logarithms to solve equations.**  **I can interpret and model real-world situations using exponential and logarithmic functions.**  **I can demonstrate mastery on the Unit 2 assessment with accuracy and explanation of reasoning.** | Quick number sense warm-up with exponential simplifications. | **DELTA MATH ASSIGNMENT – EXPONENTIAL PROPERTIES** | | | | | One helpful trick I used on DeltaMath was |

*\*key literacy strategies*