Capacity Matrix

Grade 8 CCSS

**Measurement Topic:**

**Module 4: Linear Equations**

Name:

LF:

Start Date:

Target Completion Date:

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| **Level** | **Learning Target (use these targets to form your Learning Goals)** | **Target Dates** | **Practice/Evidence**  **Task Name Scores and Dates** | **LF**  **Initials** |
| #1  L2 | 1. LWBATU- proportional relationship, unit rate, slope, right triangle, leg, hypotenuse, similar triangle, ratio, y‐intercept, coordinate plane, linear equation, equivalent equations, rational number, coefficient, like terms, solution |  |  |  |
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| #2  L3 | 2. LWBAT- Use similar triangles to explain why the slope m is the same between any two distinct points on a non‐vertical line in the coordinate plane; derive the equation y=mx for a line through the origin and the equation y=mx+b for a line intercepting the vertical axis at b . **(M.8.EE.6)** |  | Record and Practice Journal: 4.1, 4.2, 4.3, 4.4, 4.5 |  |
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| #3  L3 | 3. LWBAT- Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form x=a , a=a , or a=b results (where a and b are different numbers). **(M.8.EE.7a)** |  | Record and Practice Journal: 1.1, 1.2, 1.3, 1.4, 5.4 |  |
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| #4  L3 | 4. LWBAT- solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. **(M.8.EE.8b)** |  | Record and Practice Journal: 5.1, 5.2, 5.3, 5.4 |  |
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| #5  L3 | 5. LWBAT- solve real‐world and mathematical problems leading to two linear equations in two variables. **(M.8.EE.8c)** |  | Record and Practice Journal: 5.1, 5.2, 5.3, 5.4 |  |
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