



Mathematics Grade 8 Patterns (P)				
Outcome	1 - Little Evidence With help, I understand parts of the simpler ideas and do a few of the simpler skills.	2 - Partial Evidence I understand the simpler ideas and can do the simpler skills. I am working on the more complex ideas and skills.	3 - Sufficient Evidence I understand the more complex ideas and can master the complex skills that are taught in class. I achieve the outcome.	4- Extensive Evidence I have a deep understanding of the complex ideas, and I can use the skills I have learned in situations that were not taught in class.
P8.1 I can demonstrate understanding of linear relations concretely, pictorially (including graphs), physically, and symbolically. [CN, ME, PS, R, T, V]	<ul style="list-style-type: none"> I can analyze and describe information displayed on a table and a graph. 	<ul style="list-style-type: none"> I can model linear relations in a few ways, including tables, equations, OR graphs. 	<ul style="list-style-type: none"> I can model linear relations in several ways, including tables, equations, AND graphs. 	<ul style="list-style-type: none"> I can model a linear relations from real-life contexts several, including tables, equations, AND graphs (solid or dotted lines) and explain my reasoning.
	<ul style="list-style-type: none"> With help, I can determine whether a table of values and a graph represent a linear relation. 	<ul style="list-style-type: none"> I can plot points from a table of values. 	<ul style="list-style-type: none"> I can determine if an ordered pair satisfies a linear relation AND find a missing coordinate using a table, equation, AND graph. 	<ul style="list-style-type: none"> I can determine if an ordered pair satisfies a linear relation and find a missing coordinate using a table, equation, AND graph and explain my reasoning.
Comments				



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P8.2 I can model and solve problems using linear equations of the form: <ul style="list-style-type: none"> $ax = b$ $x/a = b, a \neq 0$ $ax + b = c$ $x/a + b = c, a \neq 0$ $a(x + b) = c$ concretely, pictorially, and symbolically, where a, b, and c are integers. [C, CN, PS, V]	<ul style="list-style-type: none"> • With help, I can model an equation with objects OR pictures. 	<ul style="list-style-type: none"> • I can model an equation with objects OR pictures, AND explain the preservation of equality. 	<ul style="list-style-type: none"> • I can model and solve linear equations with objects, pictures, AND symbols. 	<ul style="list-style-type: none"> • I can model and solve linear equations with objects, pictures, AND symbols AND explain my reasoning.
	<ul style="list-style-type: none"> • I can solve one-step equations with integer coefficients. 	<ul style="list-style-type: none"> • I can solve one-step equations with rational coefficients OR multistep equations with integer coefficients symbolically. 	<ul style="list-style-type: none"> • I can solve one-step equations with rational coefficients AND multistep equations with integer coefficients symbolically. 	<ul style="list-style-type: none"> • I can solve multistep equations with integer AND rational coefficients symbolically, and explain restrictions on variables ($x/a + b = c, a \neq 0$).
	<ul style="list-style-type: none"> • I can identify important information in problems. 	<ul style="list-style-type: none"> • I can represent situations with equations. 	<ul style="list-style-type: none"> • I can identify and solve problems that involve linear relations and explain my reasoning. 	<ul style="list-style-type: none"> • I can create, model, and solve problems involving linear equations.
Comments				