



Mathematics Grade 7 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.
P7.1 I can demonstrate an understanding of the relationships between oral and written patterns, graphs and linear relations. [C, CN, R]	<ul style="list-style-type: none"> • With help, I can determine missing values and correct errors found within a table of values. 	<ul style="list-style-type: none"> • I can represent a pattern, create a table of values, OR create a graph using a linear relation in context. 	<ul style="list-style-type: none"> • I can represent a pattern, create a table of values, AND create graphs using linear relations in several contexts. 	<ul style="list-style-type: none"> • I can represent a pattern, create a table of values, AND create graphs using linear relations in several contexts AND describe how any two are related.
	<ul style="list-style-type: none"> • With help I can match a set of graphs to a set of linear relations. 	<ul style="list-style-type: none"> • I can match a set of graphs to a set of linear relations. 	<ul style="list-style-type: none"> • I can determine a pattern by analyzing a graph. 	<ul style="list-style-type: none"> • I can explain how a graph and table of values are related.
	<ul style="list-style-type: none"> • I can determine the missing values in a table, given the rule. 	<ul style="list-style-type: none"> • Given a linear pattern, I can write a linear relation, create a table of values, AND sketch the graph. 	<ul style="list-style-type: none"> • Given a linear pattern, I can write a linear relation, create a table of values, sketch the graph AND describe the patterns found in the graph. 	<ul style="list-style-type: none"> • I can determine if an ordered pair satisfies a table of values, representation, graph OR equation.



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P7.2 I can demonstrate an understanding of equations and expressions by: <ul style="list-style-type: none"> distinguishing between equations and expressions evaluating expressions verifying solutions to equations. [C, CN, ME]	<ul style="list-style-type: none"> With help, I can match examples of expressions and equations. 	<ul style="list-style-type: none"> I can match examples of expressions and equations. 	<ul style="list-style-type: none"> I can provide an example of an expression AND an equation. 	<ul style="list-style-type: none"> I can provide an example of an expression and an equation and explain how they are similar and different.
	<ul style="list-style-type: none"> With help, I can evaluate an expression OR find solutions to equations. 	<ul style="list-style-type: none"> I can evaluate an expression OR find solutions to equations. 	<ul style="list-style-type: none"> I can evaluate an expression AND find solutions to equations, including verifying the solution. 	<ul style="list-style-type: none"> I can evaluate an expression AND find solutions to equations, including verifying the solution, and explain the results.



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P7.3 I can demonstrate an understanding of one- and two-step linear equations of the form $ax/b + c = d$ (where a, b, c, and d are whole numbers, $c \leq d$ and $b \neq 0$) by modeling the solution of the equations concretely, pictorially, physically, and symbolically and explaining the solution in terms of the preservation of equality. [C, CN, PS, R, V]	<ul style="list-style-type: none"> • With help, I can solve basic one-step linear equations. 	<ul style="list-style-type: none"> • I can solve basic one-step linear equations. 	<ul style="list-style-type: none"> • I can solve one AND two step linear equations. 	<ul style="list-style-type: none"> • I can explain what the solution of one AND two step linear equations in terms of equality means concretely, pictorially, and symbolically.
	<ul style="list-style-type: none"> • I can model the solution of one step linear equations in terms of equality concretely, pictorially, OR symbolically. 	<ul style="list-style-type: none"> • I can model the solution of one step linear equations in terms of equality concretely, pictorially, AND symbolically. 	<ul style="list-style-type: none"> • I can model the solution of one AND two step linear equations in terms of equality concretely, pictorially, AND symbolically. 	<ul style="list-style-type: none"> • I can model the solution of complex one AND two step linear equations in terms of equality concretely, pictorially, AND symbolically.
Comments				



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P7.4 I can demonstrate an understanding of linear equations of the form (where a and b are integers) by modeling problems as a linear equation and solving the problems concretely, pictorially, and symbolically. [C, CN, PS, R, V]	<ul style="list-style-type: none"> With help, I can represent problems with two-step linear equations containing integers concretely AND pictorially. 	<ul style="list-style-type: none"> I can represent problems with two-step linear equations containing integers concretely AND pictorially. 	<ul style="list-style-type: none"> I can represent problems with two-step linear equations containing integers concretely OR pictorially AND record the process with symbols. 	<ul style="list-style-type: none"> I can represent problems with two-step linear equations containing integers AND record the process with symbols, and explain my reasoning.
	<ul style="list-style-type: none"> With help, I can verify the solution to a problem involving a two-step linear equation with integers. 	<ul style="list-style-type: none"> I sometimes verify the solution to a problem involving a two-step linear equation with integers. 	<ul style="list-style-type: none"> I often verify the solution to a problem involving a two-step linear equation with integers. 	<ul style="list-style-type: none"> I almost always verify the solution to a problem involving a two-step linear equation with integers..