GRADE 8 Patterns and	Key Concepts in Patterns	Sample Diagnostic	Sample Learning Tasks	Math Station Ideas:
Relations	underpinning Curriculum	Tasks and Activities	Selected from FSIM:	
Specific Outcomes	Outcomes from FSIM: Operations		Operations Resource Book	
	Resource Book and Data		AND	
	Management and Probability		Data Management and	
	Book		<u>Probability Book</u>	
P8.1 Demonstrate	Summarize and Represent Data		Data Management: 186-189	Kahn Academy: Linear
understanding of linear	KU3:		 Measuring Lids 1, 2 	Equations and Functions
relations concretely,	 We can display data visually; some 		Ordered Measurements	(online interactive)
pictorially (including	graphs and plots show how two			
graphs), physically, and	quantities are related.			Save the Zogs (online
symbolically.				interactive)
	Interpret Data KU1:		Data Management: 235	
P8.2 Model and solve	Graphs, tables, and diagrams		Hockey Graph	Graphing Equations Card
problems using linear	display data about the real world, although they are not pictures of		• Junk Food	Sort (printable)
equations of the form:	the real world. We need to learn		Buying Chips	
ax = b	how to read them.			Matching Activity: Linear
$\frac{x}{a} = b, a \neq 0$			Operation Conso. 250, 251	Equations, Graphs,
ax + b = c	Patterns and Algebra KU3:		Operation Sense: 250-251 • Everyday Formulas	Tables, and Stories
γ	To describe a number pattern		Hexagon Patterns	(printable)
$\frac{a}{a} + b = c, a \neq 0$	means to provide a precise rule			
a(x+b) = c	that produces the pattern.		Graphs	Real World Graphing of
concretely, pictorially,			Operation Conso. 250, 261	<u>Linear Relationships</u>
and symbolically, where	Patterns and Algebra KU4:		Operation Sense: 259-261 • Pattern Pairs	(printable)
a, b, and c are integers.	• There are strategies that help us		Sticky Instructions	
	become better at recognizing		Classifying	Teaching Linear
	common types of patterns.		• Graphs	Relationships Using Real
			S. april	World Examples
				(printable)