

GRADE 5 Patterns and Relations Specific Outcomes	Key Concepts in Patterns underpinning Curriculum Outcomes from FSIM: Operations Resource Book	Sample Diagnostic Tasks and Activities	Sample Learning Tasks Selected from FSIM: Operations Resource Book	Math Station Ideas:
P5.1 Represent, analyse, and apply patterns using mathematical language and notation. P5.2 Write, solve, and verify solutions of single-variable, one-step equations with whole number coefficients and whole number solutions.	Patterns and Algebra KU1: • We use regularity or pattern to infer one thing from another thing to make predictions. Patterns and Algebra KU2: • Representing aspects of a situation with numbers can make it easier to see patterns in the situation. Patterns and Algebra KU3: • To describe a number pattern means to provide a precise rule that produces the pattern. Patterns and Algebra KU4: • There are strategies that help us become better at recognizing common types of patterns. Patterns and Algebra KU5: • Our numeration system has a lot of specially built-in patterns that make working with numbers easier. Patterns and Algebra KU6: • Some numbers have interesting or useful properties. Investigating the patterns in these special numbers can help us to understand them better.		Operation Sense: Pages 224-227 • The Answer Is... • How Hungry? Operation Sense: 234 - 236 • Puppies • Picture Frames • Money Patterns Operation Sense: 248-249 • What Comes Next? • Hexagon Patterns • Sum Patterns 1 Operation Sense: 257 • Function Box • Pattern Pairs • Sticky Instructions Operation Sense: 265 - 267 • Division Patterns • Multiples of Nine • Multiples of Tens and Tenths Operation Sense: Pages 276-277 • Equal Groups • Investigate Factors • Fraction Patterns	“Special Quantities” p. 299 TS-CM 3-5 “Predict Down the Line” p. 303 TS-CM 3-5 “Predict How Many” p. 305 TS-CM 3-5 Sequences and Patterns, Math Lessons for Gr. 5 & 6 (link to YouTube video, 20 min) Function Machine (online interactive) Power lines (online interactive)

