

GRADE 3 Patterns and Relations Specific Outcomes	Key Concepts in Patterns underpinning Curriculum Outcomes from FSIM: Operations Resource Books	Sample Diagnostic Tasks and Activities	Sample Learning Tasks Selected from FSIM: Operations Resource Books	Math Station Ideas:
P3.1 Demonstrate understanding of increasing and decreasing patterns including: • observing and describing • extending • comparing • creating patterns using manipulatives, pictures, sounds, and actions.	Patterns and Algebra KU1: • We use regularity or pattern to infer one thing from another thing and 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 KU5: • Our numeration system has a lot of specially built-in patterns that make working with numbers easier.		Operation Sense: Pages 223 - 225 • Decades • Shadows • What Time Is It? Operation Sense: Pages 234 - 236 • Sound and Action • Material Patterns • Tricycles Operation Sense: Pages 248-249 • Objects • What's My Rule? • Seven Operation Sense: Pages 265 - 267 • Constantly Adding Tens • Page Numbers	“Models With The Hundreds Chart” p. 163 TS-CM 3-5 “Headband: Guess My Pattern” (document) “Staircase” (document) “Literature Connections” (document) “Roll and Go” (document) “Secret Pattern” (document)

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P3.2 Demonstrate understanding of equality by solving one-step addition and subtraction equations involving symbols representing an unknown quantity.	Patterns and Algebra KU1: • We use regularity or pattern to infer one thing from another thing and 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 KU5: • Our numeration system has a lot of specially built-in patterns that make working with numbers easier.		Operation Sense: Pages 223 - 225 • The Answer Is... and More Answers Operation Sense: Page 237 • Puppies Operation Sense: Pages 265 - 267 • Hide the Numbers • Answer Patterns	Bike Racing Math: Algebra (online) Math Tank Run (online) Pan Balance (online) “How Many Ways?” p. 289 TS-CM “Diagonal Sums” p. 290 TS-CM “Names for Numbers” p. 300 TS-CM

