Activity 7 Assessment Patterns in Whole Numbers

Generalizing and Representing Increasing and Decreasing Patterns Recognizes that a pattern increases Identifies how a pattern changes Represents patterns symbolically Extends patterns using repeated or decreases and writes rules using addition or addition and subtraction (describes rule) subtraction 357 - 9 = 3481. 3. 5. ... 357 - 12 = 345"Start at 1 and add 2 each time." 357 - 15 = 34217. 14. 11. ... 357 - 18 = 339"Start at 17 and take away 3 "The terms are getting bigger." "It grows by 2 tiles each time." each time." "I added 3 to the number taken away and subtracted 3 from the difference." **Observations/Documentation** Finds missing terms or errors in Creates patterns and explains Uses patterns to solve problems Identifies and extends patterns patterns pattern rules involving multiplication "If I save 2 quarters a day, when will I have 10 quarters? 3, 8, 13, 18, 22, 28, "85, 75, 65, 55, Input 5 2, 4, 6, 8, 10 "Start at 3 and add 5 each time. I started with my house number and 2 Output 18 + 5 = 23, so 22 should be 23." took away 10 each time." I will have 10 quarters after 5 days." "Each input number is 32. 28. *. 20. 16. 12. 8. multiplied by 2." "Start at 32 and subtract 4 each time. 28 - 4 = *, so * is 24." Observations/Documentation