Activity 1 Assessment Repeating and Growing Patterns

Generalizing and Representing Patterns					
Recognizes that a pattern can repeat, increase, or decrease.	Identifies how a pattern changes and describes the pattern rule.	Represents patterns using a table or chart.	Represents patterns symbolically and writes the pattern rule.		
This is an increasing pattern. I know this because each time there are more blocks."	The pattern rule is: Start with 1 hexagon and 6 triangles each time."	$\frac{\overline{\operatorname{Number}} \overline{\operatorname{Blocks}}}{\frac{1}{3} \frac{1}{2} \frac{1}{1}} \qquad $	7, 14, 21 "The number of blocks in each term increases by 7 because each flower has 7 blocks. Term 3: 7 + 7 + 7 = 21."		
Observations/Documentation					

Activity 1 Assessment Repeating and Growing Patterns

Generalizing and Representing Patterns (cont'd)					
Extends patterns using repeated addition, repeated subtraction, or multiplication.	Creates patterns and explains the pattern rule. 23, 31, 39, 47, 55, 63, 71, 79, 87, 95 "I created an increasing pattern that starts at 23 and increases by 8 each time."	Uses patterns to solve problems. Yasmin and her family are planning a celebration and need to arrange 70 chairs. $\boxed{\frac{\text{Number of } \text{Chairs } \text{Chairs}}{1 4 4 4}}_{2 6 10 3}$ $\boxed{\frac{1}{3} 8 18}_{4 10 28}}_{5 12 40 6}$ $\boxed{\frac{5}{6} 14 54}$ "I added the number of chairs in the first 6 terms (54). Term 7 is 16 and 54 + 16 = 70. Yasmin will need 7 tables."	Fluently identifies, creates, and extends patterns to solve real-life problems. Sami takes 40 minutes to make one bracelet. How many bracelets can Sami make in 6 hours? $\boxed{\frac{\text{Number of Total Time in}}{\text{Bracelets Minutes}}}$ $\boxed{\frac{1}{40}}$ $\boxed{\frac{40}{2}}$ $\boxed{\frac{2}{80}}$ $\boxed{\frac{3}{3}}$ $\boxed{\frac{120}{4}}$ $\boxed{\frac{4}{160}}$ $\boxed{\frac{5}{200}}$ $\boxed{\frac{6}{240}}$ "There are 360 minutes in 6 hours. I know that the pattern increases by 40 mins each term. 9 × 40 = 360. Sami can make 9 bracelets in 6 hours."		
Observations/Documentation					