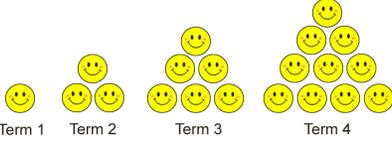


Activity 4 Assessment

Investigating Increasing and Decreasing Geometric Sequences

Investigating Increasing and Decreasing Sequences			
<p>Recognizes increasing and decreasing sequences in multiple representations.</p>  <p>Term 1 Term 2 Term 3 Term 4</p> <p>“That is an increasing sequence because the number of happy faces increases with each term.”</p>	<p>Creates and explains increasing and decreasing sequences, including numerical sequences.</p> <p>“The happy faces form equilateral triangles. We start with 1 happy face, add 2 happy faces, then increase the number added by 1 each time.”</p>	<p>Expresses a concrete or pictorial sequence as a number sequence.</p> <p>“The number sequence is: 1, 3, 6, 10, ...”</p>	<p>Recognizes and describes increasing and decreasing arithmetic sequences.</p> <p>1, 3, 5, 7, ...</p> <p>“This is an increasing arithmetic sequence as 2 is added each time. Initial term: 1. Constant change: Add 2.”</p>
Observations/Documentation			

Activity 4 Assessment

Investigating Increasing and Decreasing Geometric Sequences

Investigating Increasing and Decreasing Sequences (cont'd)			
<p>Writes the first 5 terms of an arithmetic sequence given the initial term and constant change.</p> <p>“Initial term: 30. Constant change: Subtract 3. 30, 27, 24, 21, 18, ...”</p>	<p>Recognizes and describes increasing and decreasing geometric sequences.</p> <p>2, 4, 8, 16, 32, ...</p> <p>“This is an increasing geometric sequence as a term is multiplied by 2 to get the next term. Initial term: 2. Constant change: Multiply by 2.”</p>	<p>Writes the first 5 terms of a geometric sequence given the initial term and constant change.</p> <p>“Initial term: 2. Constant change: Multiply by 3. 2, 6, 18, 54, 162, ...”</p>	<p>Fluently recognizes and describes different increasing and decreasing sequences and uses them to solve problems.</p> <p>It takes Sami 40 min to make 1 bracelet. How many bracelets can Sami make in 4 h?</p> <p>“This is an increasing arithmetic sequence. Initial term: 40. Constant change: + 40. 40, 80, 120, 160, 200, 240 4 h = 240 min Sami can make 6 bracelets. “</p>
Observations/Documentation			