Activity 2 Assessment
Writing Algebraic Pattern Rules

Writing Algebraic Pattern Rules

Writes a pattern rule given the relationship between the term number and term value	Writes an expression to represent a linear pattern	Uses a pattern rule to determine values of terms	Creates a pattern and writes an algebraic pattern rule to describe it
"If I know that the term value is 4 times the term number, plus 1, I can write the pattern rule $4x + 1$ to describe the relationship."	Term 0 Term 1 Term 2 Term 3 "An expression that describes this pattern is $2n + 1$ where n is the term number."	Term 0 Term 1 Term 2 Term 3 "When $n = 50$, the expression $2n + 1$ is equal to $2(50) + 1 = 100 + 1$ $\qquad\quad = 101$ There would be 101 tiles in term 50. It is helpful to calculate this rather than trying to extend the pattern this far."	"My pattern is 100, 95, 90, 85,... The numbers start at 100 and get 5 smaller with every term. I can describe any term value as 100 minus 5 times the term number. An expression for this is $100 - 5n$."
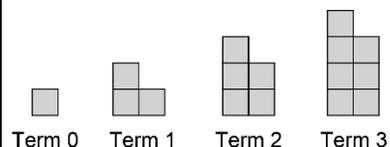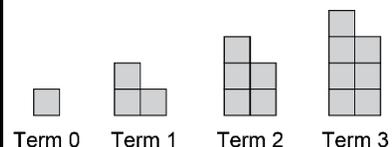
Observations/Documentation