

Rubric

Assessment category	Level 1	Level 2	Level 3	Level 4
Knowledge and understanding – solves simple equations – creates ordered pairs from T-charts – plots ordered pairs on a coordinate grid – uses variables and constants to model algebraic relationships	<input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited	<input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some	<input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable	<input type="checkbox"/> thorough <input type="checkbox"/> thorough <input type="checkbox"/> thorough <input type="checkbox"/> thorough
Thinking – creates a plan of action for exploring algebraic relationships – analyses data and makes conclusions based on patterns – makes predictions for pattern growth – creates an equation for describing pattern growth – explores alternative solutions	<input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited	<input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some	<input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable	<input type="checkbox"/> high degree <input type="checkbox"/> high degree <input type="checkbox"/> high degree <input type="checkbox"/> high degree
Communication – explains mathematical thinking – communicates using a variety of modes (short answers, lengthy explanations, verbal and written reports) – uses appropriate vocabulary and terminology	<input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited	<input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some	<input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable	<input type="checkbox"/> high degree <input type="checkbox"/> high degree <input type="checkbox"/> high degree
Application – applies patterning and algebra skills in familiar contexts – transfers knowledge and skills to new contexts – makes connections among patterns	<input type="checkbox"/> limited <input type="checkbox"/> limited <input type="checkbox"/> limited	<input type="checkbox"/> some <input type="checkbox"/> some <input type="checkbox"/> some	<input type="checkbox"/> considerable <input type="checkbox"/> considerable <input type="checkbox"/> considerable	<input type="checkbox"/> high degree <input type="checkbox"/> high degree <input type="checkbox"/> high degree