

In accordance with Manitoba Education, Citizenship and Youth policy, the purpose of this assessment is to inform parents/guardians of their child’s achievement in key competencies in numeracy.

This report is not based on a single test, but on evidence of your child’s achievement from ongoing assessment done as part of the normal teaching and learning process.

Note: Students need to be able to explain or show their thinking in all competencies (not just get the correct answer).

Competency Algebraic Reasoning Skills	Levels of Performance		
	Needs Ongoing Help	Approaching Expectations	Meeting Expectations
Student predicts an element in a repeating pattern.	<input type="checkbox"/> Identifies the core of a repeating pattern. e.g., $O \square \Delta \ O \square \Delta \ O \square \Delta$ “Circle, square, triangle is the core.”	<input type="checkbox"/> Predicts an element in a repeating pattern using manipulatives or drawings to support his/her thinking. e.g., $O \square \Delta \ O \square \Delta \ O \square \Delta \ O \square ___$ “The next element will be a triangle because I drew out the pattern.”	<input type="checkbox"/> Predicts an element in a repeating pattern making connections with numbers. e.g., $O \square \Delta \ O \square \Delta \ O \square \Delta$ “The 12th element is a triangle because a triangle comes 3rd, 6th, and 9th and so the next will be 12.” Relates number relationships to the pattern such as recognizing skip counting, and odd and even numbers to determine an element.
Student understands that the equal symbol represents an equality of the terms found on either side of the symbol.	<input type="checkbox"/> Sees the equal symbol as only meaning “give me the answer” to a number sentence. e.g., $15 + 2 = ___$ Student believes the only answer that can be given on the right side of the equal sign is 17. Student does not see that answers such as $17 + 0$, $2 + 15$, and $18 - 1$ are also correct.	<input type="checkbox"/> Sees the equal symbol as meaning a balance between the two sides of the equation. e.g., $15 + 2 = ___$ or $___ = 15 + 2$ Student is able to give multiple answers on either the right or left side of the equal sign. Student knows that $15 + 2$ is the same as $3 + 14$ because both equal 17.	<input type="checkbox"/> Understands and can explain the relationship between two different expressions. e.g., $15 + 2 \square 3 + 14$ <input type="checkbox"/> is “=” since 14 is one less than 15 and 3 is one more than 2, so both sides are the same. Student is able to compare both sides of the number sentence without adding the numbers.

