

**Content Standard A4
First Grade Level
Functions and Relationships**

State Mathematics Performance Standards K-2nd	KGBSD Student Objectives	
<p>M4.1.1 Recognize, describe, create, and extend repeating and increasing patterns with a variety of materials including symbols, objects, and manipulatives.</p> <p>M4.1.2 Generate and solve simple functions by identifying and applying addition and subtraction patterns.</p> <p>M4.1.3 Use a calculator to find and extend patterns in the number system.</p> <p>M4.1.4 Complete open space sentences with missing numbers; use appropriate vocabulary including greater than, less than, and equal to; and use the correct symbols.</p>	<p>1.1 Designs patterns using geometric shapes</p> <p>1.2 Draws, counts, duplicates, and extends patterns</p> <p>1.3 Describes objects in nature in terms of shapes/patterns</p> <p>1.4 Combines various shapes to produce larger shapes</p> <p>1.5 Divides or breaks larger shapes into smaller shape</p> <p>1.6 Uses patterns as a resource in finding solution</p> <p>2.1 Complete a problem with a missing operation (missing addend, subtrahend) e.g., find the rule given 6 out put 9; 8 output 11 etc.</p> <p>3.1 Uses a calculator to find and extend patterns in the number system</p> <p>4.1 Demonstrates understanding of equality, greater than, less than through the use of symbols (e.g., $2 < 3$, $4 + 2 > 4 + 1$)</p>	