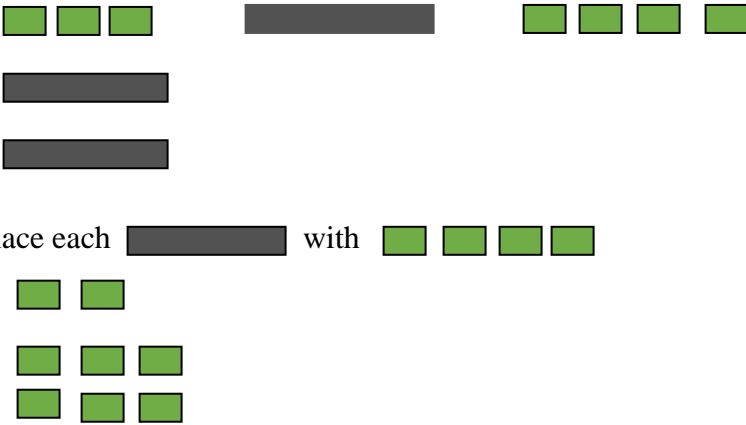
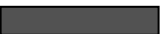


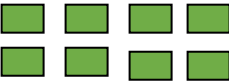


Strand : Algebra

Week	Topics/Objectives	Main Concepts	Teaching/Learning Activities	Assessment/Homework Activities
	1. Investigate the order of operations when evaluating algebraic expressions. 2. Use substitution in formulae to solve word problems. 3. Use algebraic sentences in solving word problems.	1. Variable 2. Term 3. Expression 4. Substitution 5. Equation 6. Algebra 7. Operation	1. Review and discuss key algebraic terms such as variable, term, expression, substitution, through the use of pattern and sequence, as well as review order of operations using whole numbers. 2. Engage students in the use of algebra tiles to model substitution when simplifying algebraic expressions. Demonstrate representing an expression with tiles and then replacing each rectangle with the appropriate tile value and combining like terms: e.g., $3 + 2x$, when $x = 4$, as follows: $3+2x;$ when x = 4  Replace each  with   	1. Allow students to play a game of Evaluation Derby ". (See <i>Resource Document, page 1 for instruction.</i>) 2. Journal Activity: Explain a situation in which you would have to evaluate algebraic expressions in real life. 3. Complete a table to model expressions, through the use of algebra tiles. (See <i>Resource Document, page 2 for table</i>)

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			<p>how to substitute those values into the expression and evaluate the expression, using the order of operations.</p> <ol style="list-style-type: none">4. Connect evaluating algebraic expressions to real-life situations (e.g., movie ticket sales totals, based on the number of people going to a movie).5. Have students create their own problems/situations and solve them. Then, allow them to exchange these problems with their peers and solve them.	
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