Grade 8 Patterning and Algebra Ontario Educational Resources Bank (OERB) Activities

Patterns and Relationships	
Activity	Description
<section-header></section-header>	Build understanding of patterns and relationships by examining and extending linear growing patterns, and choosing the best expression for the general term.
Invasion Force Part 2: Mars Guard Invasion Force Part 2: Mars Guard<	Build understanding of linear relations by identifying patterns on graphs as linear or non-linear, completing tables of values for linear equations, and plotting the ordered pairs that result on a Cartesian plane.
<section-header></section-header>	Build understanding of how to determine the value of an unknown term in a linear relation by extending a graphical pattern and by substituting into an algebraic equation, then comparing the two strategies.
<text></text>	Build understanding of how algebraic thinking is used in real-world problem solving by exploring situations that use it, and by matching algebraic expressions to real-life situations.

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Variables, Expressions and Equations	
Activity	Description
<section-header></section-header>	Practise evaluating algebraic expressions by substituting variable values into the expression and following proper order of operations.
Rex and Tex: Balancing Act Soliting Variables and Units The field of the field	Practise solving equations by viewing demonstrations and balancing equations using virtual algebra tiles.