Activity 5 Assessment
Investigating Patterns and Relationships in Tables and Graphs

Investigating Algebraic Expressions

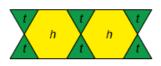| Identifies the monomial represented by a model	Identifies the algebraic expression represented by a model.	Evaluates expressions, given the value of each variable.	Adds like terms to simplify an expression, then evaluates it when variables have decimal values.
$3h + 3 = 9$ "The hexagon represents *h*. So, the model represents 3*h*."	"There are 2 hexagons and 6 triangles, so the design represents 2*h* + 6*t*."	$h = 5$ and $t = 2$ $2h + 6t = 2 × 5 + 6 × 2$ $= 10 + 12$ $= 22$ "The value of the expression is 22."	Evaluate $3q + 2r + 4r + q$ when $q = 1.5$ and $r = 2.2$ $3q + 2r + 4r + q = 3q + q + 2r + 4r$ $= 4q + 6r$ $= 4 × 1.5 + 6 × 2.2$ $= 6 + 13.2$ $= 19.2$ "The value of the expression is 19.2."

Observations/Documentation

Mathology 6
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