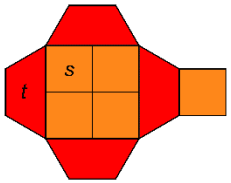
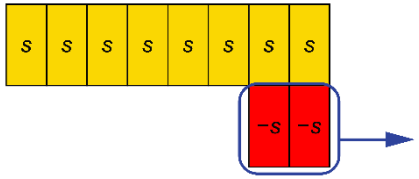
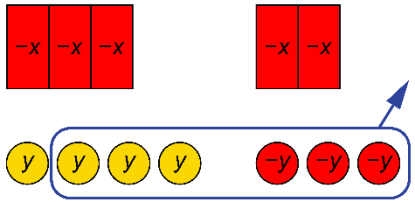
Algebra

Activity 6 Assessment

Working with Monomials and Binomials

Working with Monomials and Binomials			
Interprets models of monomials and binomials "This design models $(5s + 4t)$."  	Determines sums and differences of monomials with whole-number or integer coefficients $6s - (-2s)$  "I modelled $6s$. I didn't have any $-s$-tiles to take away, so I added 2 zero pairs. I took away 2 $-s$-tiles, leaving 8 s-tiles, or $8s$."	Determines sums of binomials with integer coefficients $(-3x + 4y) + (-2x - 3y)$ "I need to model 2 different variables and positive and negative coefficients. I'm going to use algebra tiles and two-colour counters. When I combine tiles and counters, and remove zero pairs, I end up with 5 red x-tiles and 1 yellow y-counter. The answer is $-5x + y$."  	Solves applied problems involving the addition of binomials Each side of an equilateral triangle has length $(2x + 5)$ cm. What is its perimeter? "The perimeter is the sum of the side lengths: $(2x + 5) + (2x + 5) + (2x + 5)$ I can add the x's and add the constants. $2x + 2x + 2x + 5 + 5 + 5$ $= 6x + 15$ The perimeter is $(6x + 15)$ cm.
Observations/Documentation			