Activity 5 Assessment
Modelling and Solving Multi-Step Linear Equations

Modelling and Solving Multi-Step Linear Equations

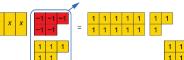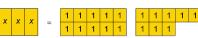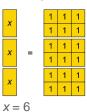| Creates an equation involving two operations	Solves a multi-step equation involving whole numbers using concrete materials or informal solution methods	Solves multi-step equations involving whole numbers symbolically	Verifies the answer to a multi-step equation is correct
I started with the equation $x = 6$. I multiplied both sides by 3. $3x = 18$ Then, I subtracted 5 from each side. $3x - 5 = 13$	I used algebra tiles to solve $3x - 5 = 13$. I added 5 yellow 1-tiles to each side. I removed zero pairs. I arranged the tiles in 3 equal groups. $x = 6$	$3x - 5 = 13$ $3x - 5 + 5 = 13 + 5$ $3x = 18$ $$\frac{3x}{3} = \frac{18}{3}$$ $x = 6$	To check if my answer is correct, I substituted the number I got for x in the original equation and compared each side. L.S. $= 3x - 5$ $\quad = 3(6) - 5$ $\quad = 18 - 5$ $\quad = 13$ R.S. $= 13$ The answer is correct.

Observations/Documentation

Mathology 7
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