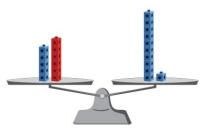
Activity 12 Assessment

Consolidation

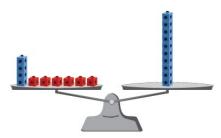
Solving One-Step Addition and Subtraction Equations

Understands balance as equality



"5 + 6 equals 11."

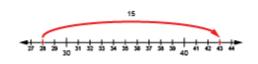
Uses concrete materials to solve for unknown



 $4 + \Box = 10$

"I added red cubes, one at a time, until the pans balanced; $\square = 6$."

Uses number relationships (inverse operations)



28 = 🗆 - 15

"I rewrote the equation as an addition equation: $28 + 15 = \square$."

Observations/Documentation

Activity 12 Assessment Consolidation

Decomposes and recomposes numbers (uses associative property)	Describes a situation for a given equation with an unknown	Uses strategies efficiently and flexibly to solve equations of different types (start, result, and change unknown)
28 + 15 = 28 + 2 + 13 28 + 2 + 13 = 30 + 13 30 + 13 = 43	20 − □ = 13 "I had \$20. I spent some money and now I have \$13. How much did I spend?"	$27 = \Delta - 18$ "I rewrote using addition: $27 + 18 = \Delta$. Then, I used mental math: $27 + (18 + 2) = 47$, and $47 - 2 = 45$."
Observations/Documentation		

Activity 12 Assessment Consolidation

Variables and Symbols				
Uses equal sign as balance (left side	Uses symbols to represent unknown	Understands the unknown	Solves equations flexibly	
equals right side) and not equal sign	quantities	represents one quantity/value		
as imbalance			18 + □ = 34	
	18 + □ = 34	18 + □ = 34	34 − □ = 18	
18 + 16 = 10 + 24		—	34 − 18 = □	
18 + 16 ≠ 24 − 10	"I used a box to represent the	"The box represents a number that	<i>"</i> ''	
" - ! !	unknown, but I could have used a	would be added to 18 to make 34.	"In all of these equations, the symbol	
"The equal sign means that the	different shape."	No matter what	represents the same number, 16."	
numbers on both sides are worth the		the symbol is, it will always		
same amount."		represent 16."		
Observations/Documentatio	n			