Activity 11 Assessment Creating Equations

Solving One-Step Addition and Subtraction Equations Understands balance as equality Uses number relationships (inverse operations) Uses concrete materials to solve for unknown 28 = 🗆 - 15 "I rewrote the equation as an addition equation: $28 + 15 = \square$." "5 + 6 equals 11." $4 + \Box = 10$ "I added red cubes, one at a time, until the pans balanced; $\square = 6$." **Observations/Documentation**

Activity 11 Assessment Creating Equations

Solving One-Step Addition and Subtraction Equations (con't)					
Decomposes and recomposes numbers (uses associative property) 28 + 15 = 28 + 2 + 13 28 + 2 + 13 = 30 + 13 30 + 13 = 43	Describes a situation for a given equation with an unknown 20 − □ = 13 "I had \$20. I spent some money and now I have \$13. How much did I spend?"	Uses strategies efficiently and flexibly to solve equations of different types (start, result, and change unknown) $27 = \Delta - 18$ "I rewrote using addition: $27 + 18 = \Delta$. Then, I used mental math: $27 + (18 + 2) = 47$, and $47 - 2 = 45$."			
Observations/Documentation					

Activity 11 Assessment Creating Equations

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	40 . 🗖 . 04	
as imbalance	40 . 🗆 – 24	40 . 🗆 – 24	18 + □ = 34	
18 + 16 = 10 + 24	18 + □ = 34	18 + □ = 34	34 − □ = 18 34 − 18 = □	
18 + 16 ≠ 10 + 24	"I used a box to represent the	"The box represents a number that	34 – 10 – 🗆	
10 + 10 + 24 - 10	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	amerent enape.	the symbol is, it will always	represente tre earne nameer, re.	
same amount."		represent 16."		
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Observations/Documentatio	n			