

Master 85: Activity 31 Assessment

Solving Problems 4

Conceptual Understanding of Addition and Subtraction Behaviours/Strategies


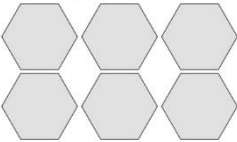
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|---|--|---|---|
| 1. Student takes objects from bin, but has difficulty using them to create an addition and subtraction problem. | 2. Student creates an addition problem, but has difficulty creating a subtraction problem. | 3. Student creates addition and subtraction problems, but cannot use symbols and equations to represent them.


"I don't know how to write a number sentence." | 4. Student creates addition and subtraction problems and uses symbols and equations to represent them.

$31 + 9 = ?$ "Answer is 40."
$71 - ? = 13$ "Answer is 58." |
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Observations/Documentation

Addition and Subtraction Computational Behaviours/Strategies

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|---|---|---|--|
| 1. Student counts three times to add or subtract quantities.
"1, 2, 3, 4, 5"

"1, 2, 3, 4, 5, 6"

"1, 2, 3, ..., 9, 10, 11" | 2. Student guesses and then counts on or back to add or subtract quantities to check.

Guess 7: 13, 14, 15, 16, 17, 18, 19
"Not enough." | 3. Student counts on or back to add or subtract quantities.
"19, 18, 17, 16, 15, 14, 13, 12"
 | 4. Student uses mental strategies flexibly and accurately to add or subtract quantities.

"I know $25 + 25$ is 50.
So, $25 + 26$ is 1 more, or 51." |
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Observations/Documentation