

Master 100: Activity 38 Assessment

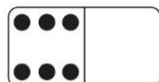
Exploring Properties

Operational Sense Behaviours/Strategies

1. Student turns over a domino, but is unable to use symbols and equations to represent an addition situation.

"I don't know how to write an addition sentence for a domino."

2. Student uses symbols and equations to represent some addition situations, but struggles when one of the addends is zero.



"I don't know what to write."

3. Student uses symbols and equations to represent an addition situation in one way, but does not use the commutative property to represent it another way.

" $3 + 4 = 7$. I don't know another sentence."

4. Student successfully uses symbols and equations to represent addition and subtraction situations and shows understanding of the zero and commutative properties.

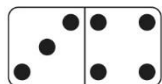
$$\begin{aligned} 7 + 0 &= 7 \\ 0 + 7 &= 7 \\ 7 - 0 &= 7 \end{aligned}$$

Observations/Documentation

Mental Math and Computational Behaviours/Strategies

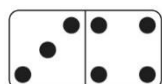
1. Student counts three times to add quantities (find the total number of dots).

"1, 2, 3" "1, 2, 3, 4"



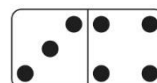
"1, 2, 3, 4, 5, 6, 7"

2. Student counts on from the smaller number to add quantities.



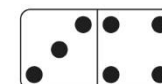
"3" "4, 5, 6, 7"

3. Student uses a known fact, doubles, or skip-counting to add quantities.



"I know $3 + 3 = 6$, so $3 + 4 = 7$."

4. Student fluently adds and subtracts with quantities to 20.



"I know $3 + 4 = 7$."

Observations/Documentation