## Look for and express regularity in repeated reasoning. namemeremes.



## I can notice when calculations are repeated.

I see number patterns!

$$
\begin{aligned}
& 11=10+1 \quad 1 \text { ब. } \\
& 12=10+2 \text { क 따 } \\
& 13=10+3 \quad 3 \text { बत बत ब } \\
& 14=10+4 \quad 4 \text { क्ञ क्ञ क्ञ क్ }
\end{aligned}
$$

[^0]
## Look for and express regularity in 



## I can notice when calculations are repeated.

$$
5 \times 2=10
$$

$$
2+2+2+2+2=10
$$

I am adding 2 five times.


I am counting rows with 2 in each row five times.


I am making 5 hops of 2 on the number line.

# Look for and express regularity in repeated reasoning, nemeran. 



## I can notice when calculations are repeated. Then, I can find more general methods and short cuts.

## As I work...

...l think about what I'm trying to figure out while I pay attention to the details
...I evaluate if my results are reasonable.

There are many ways to decompose $\frac{3}{8}$ because it is composed of repeated $\frac{1}{8} \mathrm{~s}$. I CAN.....
....draw a whole and shade in three $\frac{1}{8} s$ parts.
....add eighths.

$$
\frac{3}{8}=\frac{1}{8}+\frac{1}{8}+\frac{1}{8}
$$

....count by eighths. (one-eighth, two eighths, three eighths)

$$
\frac{3}{8}=\frac{1}{8}, \frac{1}{8}, \frac{1}{8}
$$

....jump three $\frac{1}{8}$ size jumps on a number line.

## Look for and express regularity in repeated reasoning. nnemureane



## I can notice when calculations are repeated. Then, I can find more general methods and short cuts.

As I work...
...I think about what I'm trying to figure out while I pay attention to the details.
...I evaluate if my results are reasonable.

EXAMPLE: I have a container of yogurt that is $3 / 4$ full. One serving of yogurt is $1 / 4$ of the container. How many servings are left in the container?
(THINK: How many $1 / 4$ 's are in $3 / 4$ 's?)

I can notice that $1 / 4$ is repeated and draw a model to figure out the number of servings left in the container.



[^0]:    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


    | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


    | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

    

    | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |


    | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
    | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
    | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 59 | 70 |

    
    
    
    

