MATH PRACTICES 2

Reason abstractly and quantitatively.
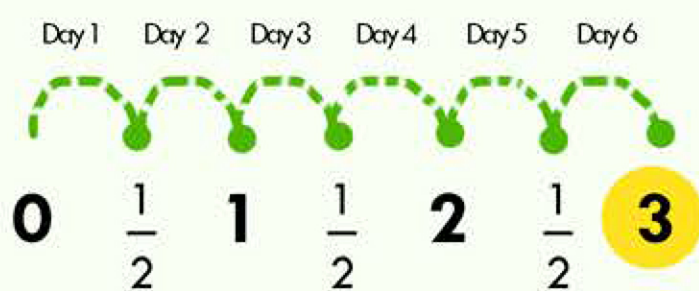
I can use numbers, words, and reasoning habits to help me make sense of problems.

Contextualize
(Numbers to Words)

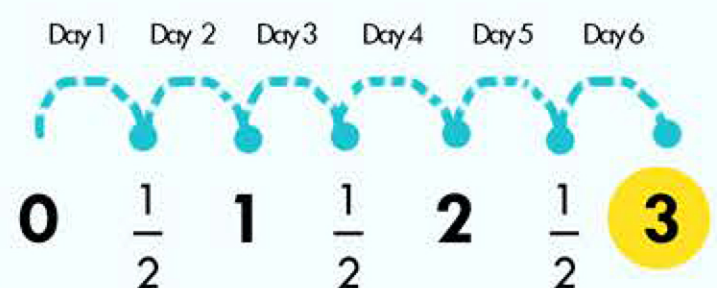$$\frac{1}{2} \times 6 = 3 \quad \textbf{or} \quad 6 \times \frac{1}{2} = 3$$

Mary practices the piano 1/2 hour a day for 6 days. How many total hours does she practice?

Day 1 Day 2 Day 3 Day 4 Day 5 Day 6

$0 \quad \frac{1}{2} \quad 1 \quad \frac{1}{2} \quad 2 \quad \frac{1}{2} \quad 3$

Decontextualize
(Words to Numbers)

Mary practices the piano 1/2 hour a day for 6 days. How many total hours does she practice?

Day 1 Day 2 Day 3 Day 4 Day 5 Day 6

$0 \quad \frac{1}{2} \quad 1 \quad \frac{1}{2} \quad 2 \quad \frac{1}{2} \quad 3$

$$\frac{1}{2} \times 6 = 3 \quad \textbf{or} \quad 6 \times \frac{1}{2} = 3$$

Reasoning Habits

1) Make an understandable representation of the problem.
2) Think about the units involved.
3) Pay attention to the meaning of the numbers.
4) Use the properties of operations or objects