

Reason abstractly and quantitatively.

Mathematical Practice 2



I can use numbers and words to help me make sense of problems.

Numbers to Words

$$2 + 3 = 5$$



I have 2 yellow flowers and 3 red flowers.
How many flowers altogether?



Words to Numbers

I have 2 yellow flowers and 3 red flowers.
How many flowers altogether?



$$2 + 3 = 5$$

Reason abstractly and quantitatively.

Mathematical Practice 2



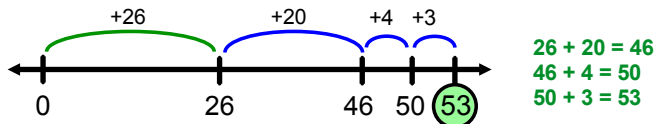
I can use numbers and words to help me make sense of problems.

Numbers to Words

$$26 + 27 = 53$$

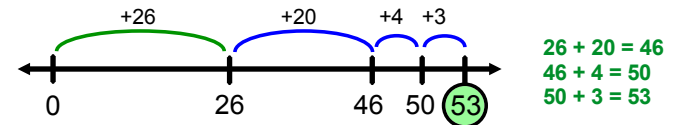


There are 26 boys and 27 girls on the playground.
How many children are on the playground?



Words to Numbers

There are 26 boys and 27 girls on the playground.
How many children are on the playground?



$$26 + 27 = 53$$

Reason abstractly and quantitatively.

Mathematical Practice 2



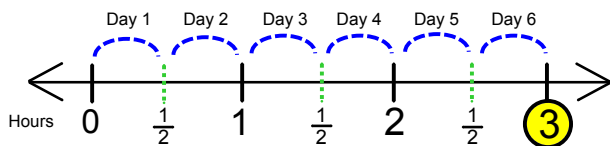
I can use numbers, words, and reasoning habits to help me make sense of problems.

Contextualize (Numbers to Words)

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

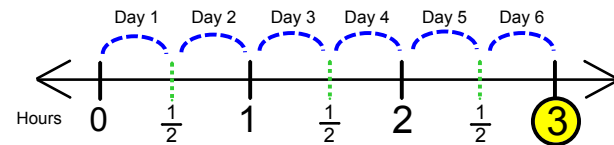


Mary practices the piano $\frac{1}{2}$ hour a day for 6 days.
How many total hours does she practice?



Decontextualize (Words to Numbers)

Mary practices the piano $\frac{1}{2}$ hour a day for 6 days.
How many total hours does she practice?



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

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.

Reason abstractly and quantitatively.

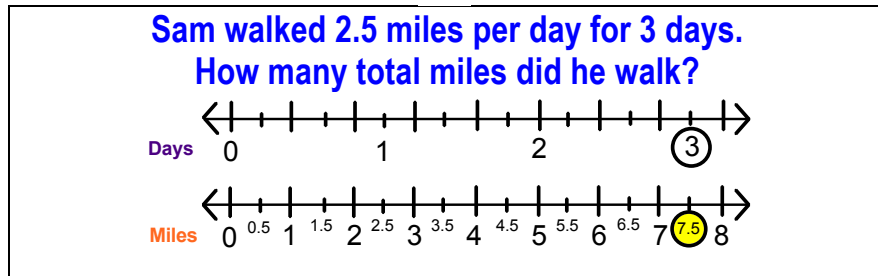
Mathematical Practice 2



I can contextualize numbers, decontextualize words, and use reasoning habits to help me make sense of problems.

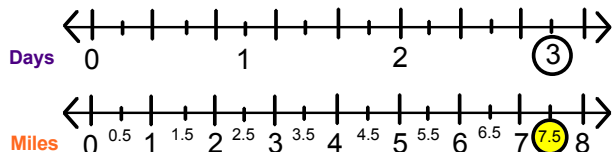
Contextualize

$$2.5 \times 3 = 7.5$$



Decontextualize

Sam walked 2.5 miles per day for 3 days.
How many total miles did he walk?



$$2.5 \times 3 = 7.5$$

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.