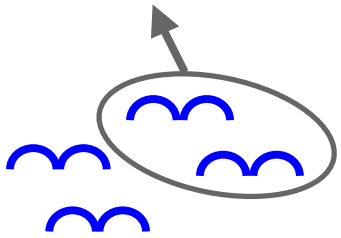
Model with mathematics.

Mathematical Practice 4

I can recognize math in everyday life and use math I know to solve problems.

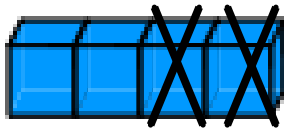
I can use...



(Pictures)

(Symbols) **4 - 2 = 2**

4 birds are in a tree.
2 birds flew away.
How many are left?



(Objects)

I have 4.
I take 2 away.
Now I have 2.

(Words)

...to solve everyday problems.

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I can use....

I can use take-away to find the difference between the number of crayons Jill and Rob have.

(Words)

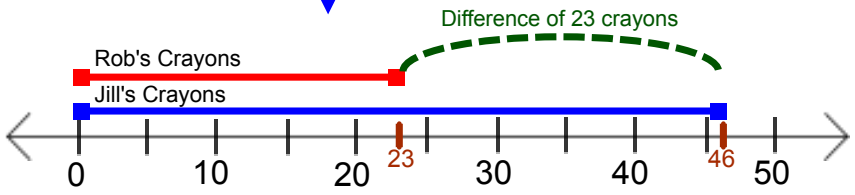
Rob has 23 crayons. Jill has 46 crayons. How many more crayons does Jill have than Rob?

(Symbols)

$$\begin{array}{r} 46 \\ -\ 23 \\ \hline 23 \end{array}$$

(Objects)

(Pictures)



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I can...

My box turtle is getting a new tank. He is 5 1/2" long and 3" tall. One side length of the tank needs to be 5 times his length. How long will the length of the tank need to be?

Use **estimates** to make the problem simpler.

I will round 5 1/2" to 6".

Find **important numbers**.

Turtle: About 6" long
Tank: 5 times the length of the turtle

Use **tools** to **show relationships**.

Turtle Length (inches)	Tank Length (inches)
4	20
5	25
6	30
7	35
8	40

Think about the **relationship** to find an **answer.**

The tank (30") is 5 times bigger than the turtle length (6").

Consider my **answer** -- **Does it make sense?**

I thought about the problem again and a 30" side length on the tank makes sense!

...to solve everyday problems.

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Mathematical Practice 4

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I can...

Kylie needs to read a book with 247 pages in 3 weeks. She's hoping to finish it in 2 weeks. About how many pages does she need to read per day?

→ Use **estimates** to make the problem simpler.

I will **round** to the whole page.

→ Find **important numbers**.

Pages to read: **247**

Weeks to read: **2 or 3**

↓ Use **tools** to **show relationships**.

Weeks to read	Pages to read
0	0
1	36
2	18
3	12

← Think about the **relationship** to find an **answer.**

Kylie will need to read 18 pages per day to finish in 2 weeks and 12 pages per day to finish in 3 weeks.

← Consider my **answer** -- **Does it make sense?**

The more days Kylie reads, the fewer pages per day she has to read. That makes sense!

...to solve everyday problems.

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