## Grades 2 and 3

### Standards for Mathematical Practice Posters



## Make sense of problems and persevere in solving them. Mathematical Practice 1



When given a problem, I can make a plan, carry out my plan, and check my answer.

#### BEFORE...

Think about the problem.

Ask myself, "Which strategy will I use?"

Make a plan to solve the problem.

#### **DURING...**

Stick to it!

Ask myself, "Does this make sense?"

Change my plan if it isn't working out.



#### AFTER...

**CHECK** my work.



Ask myself,
'Is there another
way to solve
the problem?"

#### Reason abstractly and quantitatively.

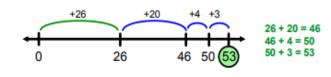
**Mathematical Practice 2** 



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

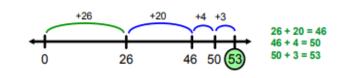
#### **Numbers to Words**

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?





#### Construct viable arguments and critique the reasoning of others. Mathematical Practice 3



I can explain my thinking and respond to the mathematical thinking of others.

I can explain my strategy using...

- objects, drawings, and actions
- examples and non-examples
- contexts

I can compare strategies with others by...





asking useful questions



 understanding mathematical connections between strategies

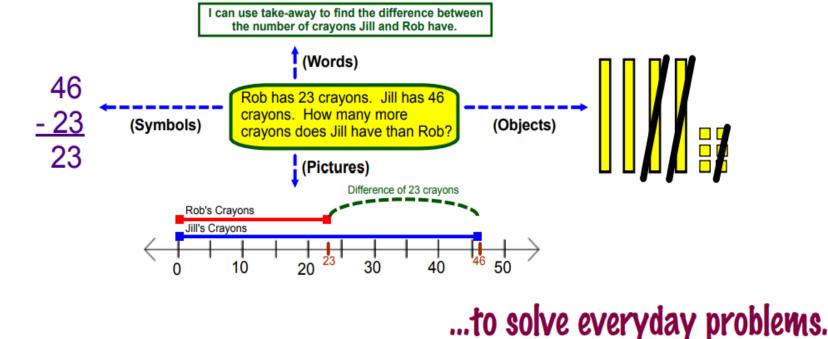
#### Model with mathematics.

Mathematical Practice 4



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

I can use....



#### Use appropriate tools strategically.

Mathematical Practice 5

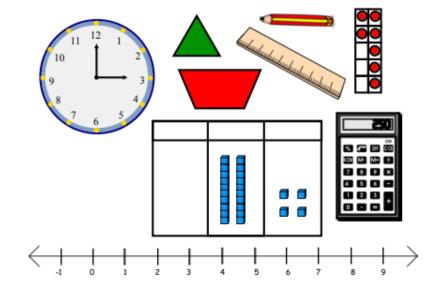


I can use certain tools to help me explore and deepen my math understanding.



I have a math toolbox.

- I know <u>HOW</u> and <u>WHEN</u> to use math tools.
- I can reason: "Pid the tool I used give me an answer that makes sense?"



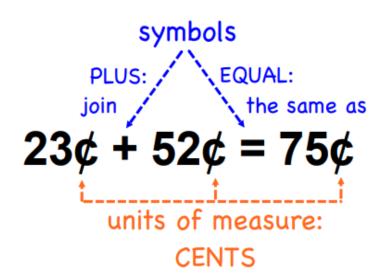
#### Attend to precision.

Mathematical practice 6



# I can be precise when solving problems and clear when I share my ideas.

Careful and clear mathematicians use...



- math vocabulary
- symbols that have meaning
- context labels
- units of measure
- calculations that are accurate and efficient

#### Look for and make use of structure.

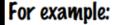
Mathematical Practice 7

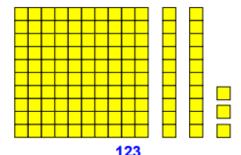


I can see and understand how numbers and shapes are organized and put together as parts and wholes.

#### **Numbers**

<u>Shapes</u>

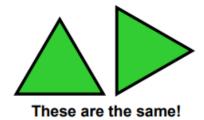




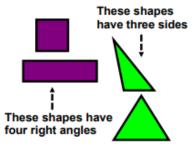
**Base Ten System** 

1 hundred, 2 tens, and 3 ones

#### For example:



Orientation



**Attributes** 

# Look for and express regularity in repeated reasoning. Mathematical Practice 8



I can notice when calculations are repeated.

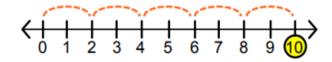
$$5 \times 2 = 10$$

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

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.