

Make sense of problems and persevere in solving them.

Mathematical Practice 1



When given a problem, I can make a plan to solve it and check my answer.

BEFORE...

Think about the problem.

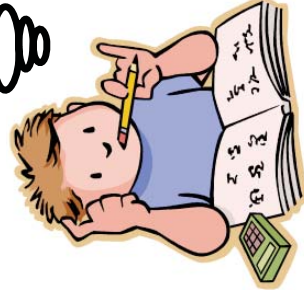


Make a **plan** to solve the problem.



DURING...

Don't give up!



AFTER...

CHECK my work.



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

$$2 + 3 = 5$$



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



Words to Numbers

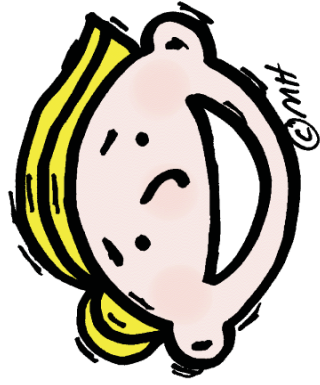
I have 2 yellow flowers and 3 red flowers.
How many flowers altogether?



$$2 + 3 = 5$$

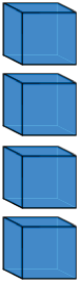
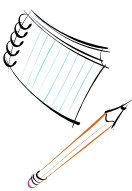

Construct viable arguments and critique the reasoning of others.

Mathematical Practice 3



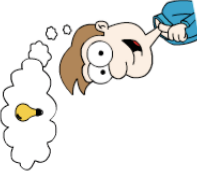


I can explain my thinking and consider the mathematical thinking of others.

I can explain my strategy using...

- objects 
- drawings 
- actions 

I can compare my strategy with others by...

- listening 
- asking questions 
- making connections between my own thinking and others 

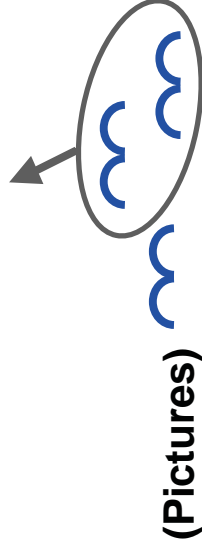
Model with mathematics.

Mathematical Practice 4

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



I can use...



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

(Symbols) $4 - 2 = 2$



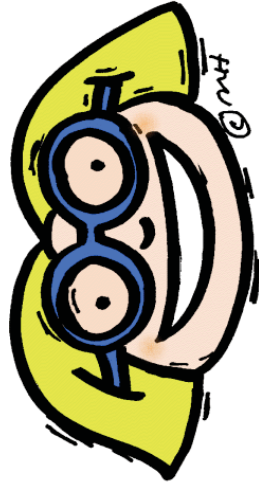
I have 4.
I take 2 away.
Now I have 2.

(Words)

...to solve everyday problems.

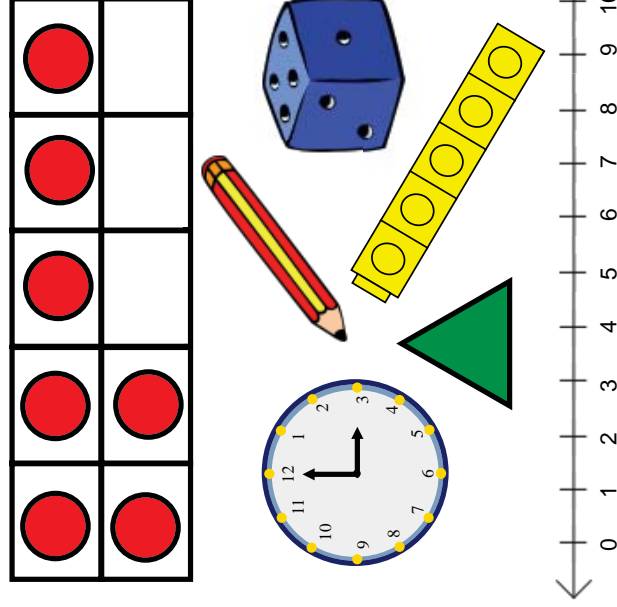
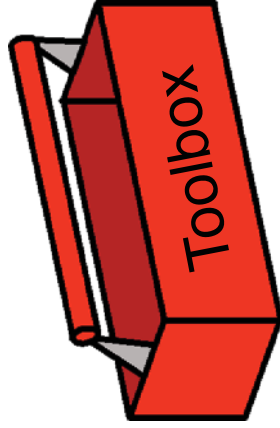
Use appropriate tools strategically.

Mathematical Practice 5



I can use math tools to help me explore and understand math in my world.

I have a math toolbox.



Attend to precision.

Mathematical practice 6



*I can be careful when I use math
and clear when I share my ideas.*

Careful and clear mathematicians use...

PLUS: EQUAL:
join the same as
↓ ↓
2 cats + 3 dogs = 5 pets
↑ ↑
label units

- math vocabulary
- symbols
- labels
- addition and subtraction strategies

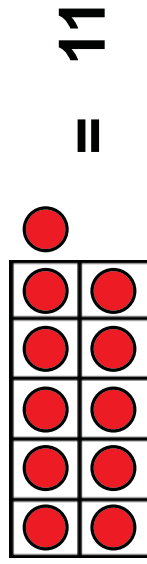
Look for and make use of structure.

Mathematical Practice 7



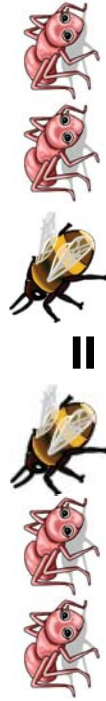
I can see and understand how numbers and shapes are put together as parts and wholes.

Numbers



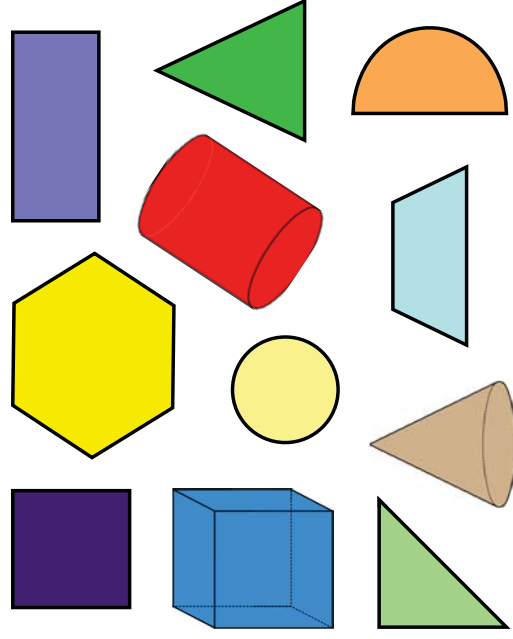
= 11

$$10 + 1 = 11$$



$$2 + 1 = 1 + 2$$

Shapes



Look for and express regularity in repeated reasoning.

Mathematical Practice 8



I can notice when calculations are repeated.

I see number patterns!

$$11 = 10 + 1$$

$$12 = 10 + 2$$

$$13 = 10 + 3$$

$$14 = 10 + 4$$

$$15 = 10 + 5$$



1



2



3



4



5

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
31	32	33	34	35	36	37	38	39	40
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	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100