Make sense of problems & persevere in solving them.

Make a bran:

- Can I restate the problem by verbally describing it?
- Where can I begin to find a solution?
- Have I solved similar problems?

Get Organized:

- What is the goal of this problem?
- What information is given?
- Are there any restrictions?
- Do I have prior knowledge that will help me?
- Can I try special cases when looking for a solution?
- What tools do I need?

PERSEVERE Never give Up!!

Solve the blopped:

- What presumptions can I make that make sense?
- Can I make a table or graph?
- Are there any trends?



Evaluate MySelF:

- Is my answer correct?
- Does the answer make sense?
- Can I explain how I solved the problem?
- What worked?
- What didn't work?
- Have I observed others and understood how they solved the problem?



In problem situations, I can make sense of Quantities & their relationships

Decontextualize

I can take numbers **OUT** of a word problem and make sense of them to solve a problem.

FOR EXAMPLE;

"I worked 8.5 hours each day for 5 days. How long did I work?"

8.5 x 5 = 42.5 hours



- I can explain what the problem means.
- I pay attention to the units.
- I don't just compute the problem; I know the meaning of the vocabulary.
- I can use & explain the properties of numbers.

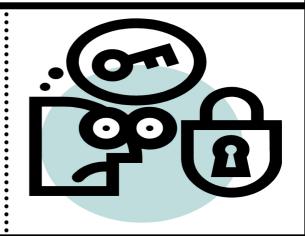


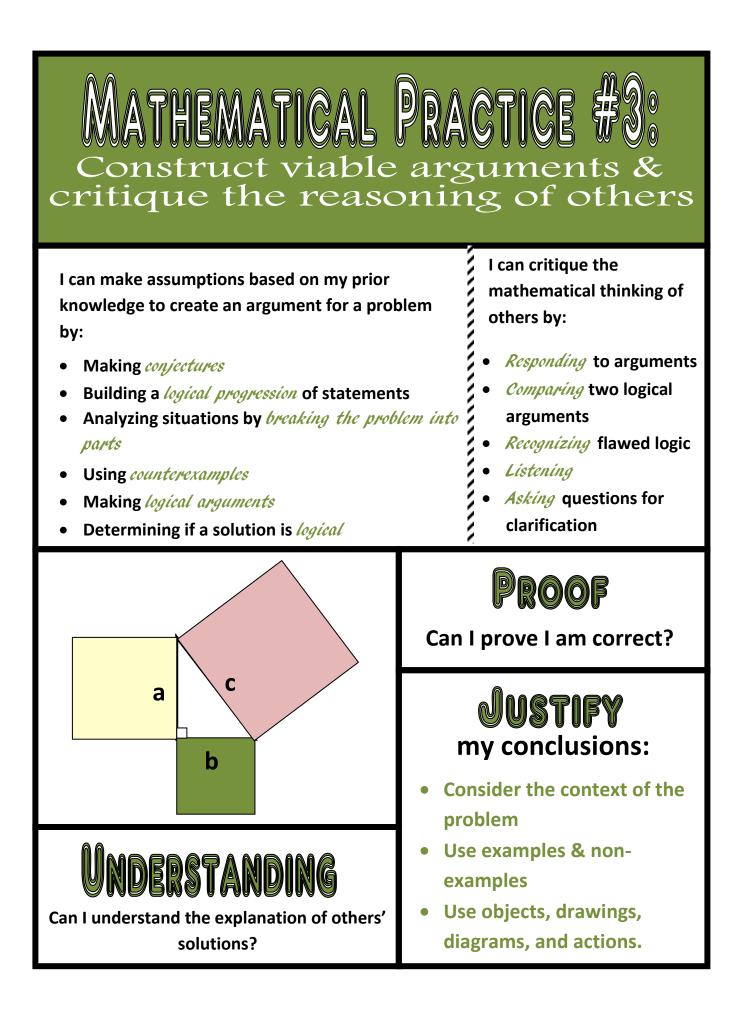
I can take numbers and put them In context, in a real world problem.

FOR EXAMPLE;

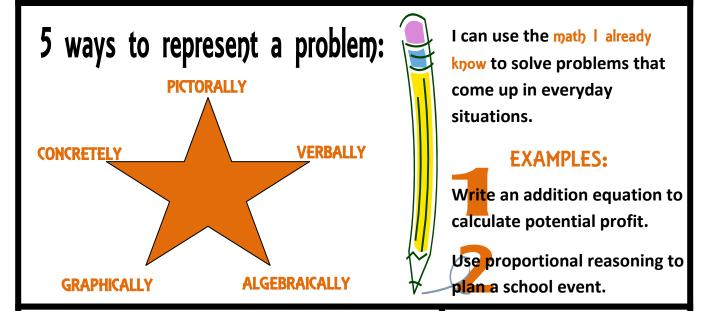
"I bought 8 apples for \$6.00. How much does one apple cost?"

\$6 ÷ 8 = 0.75



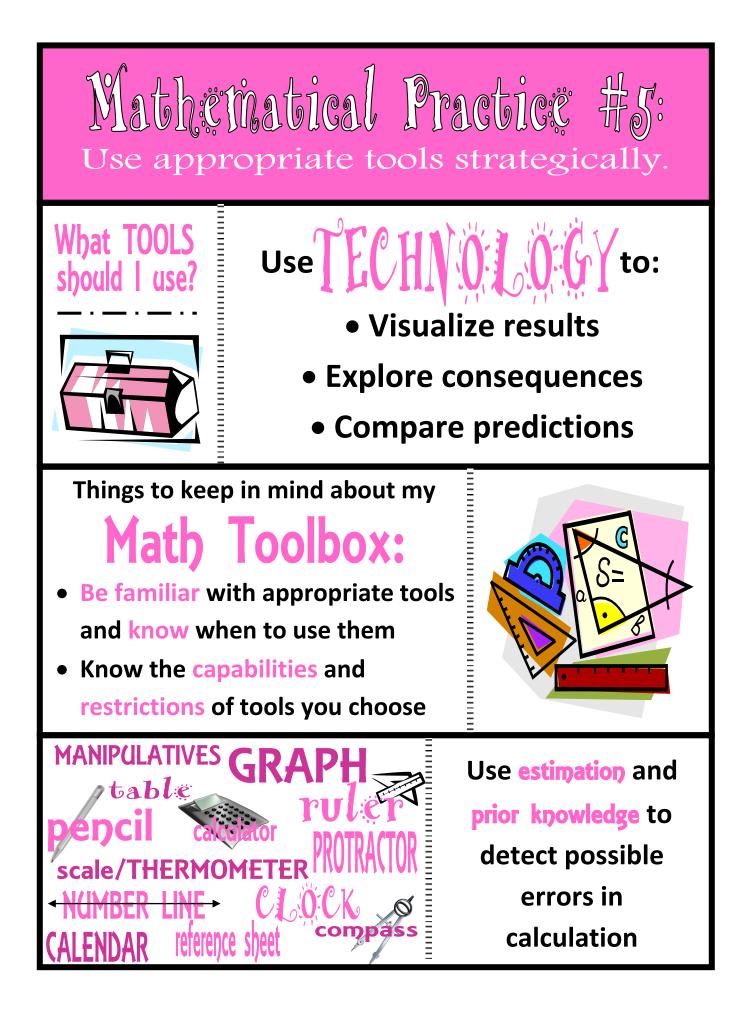


Mathematical Practice #4: Model with mathematics.

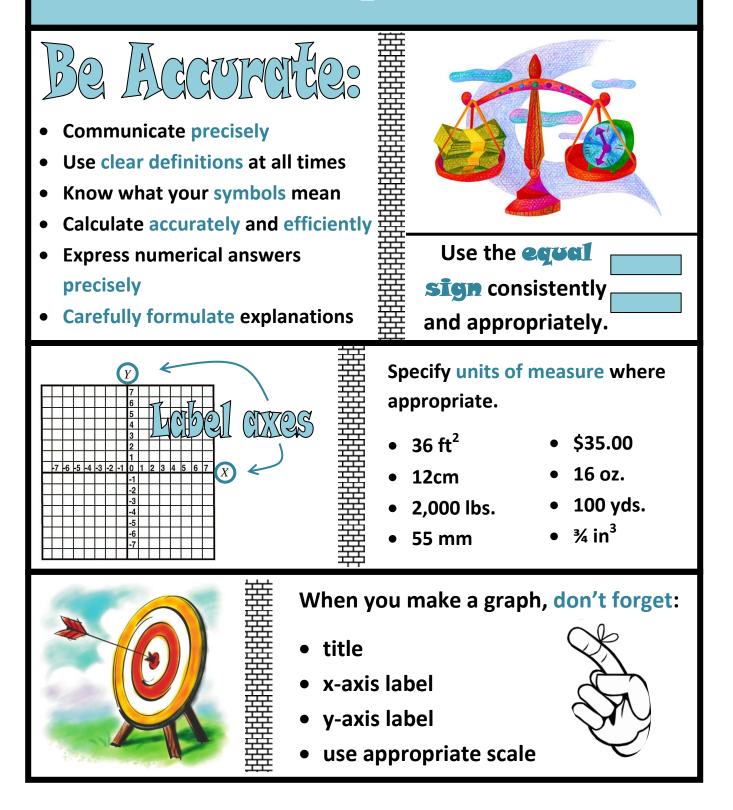


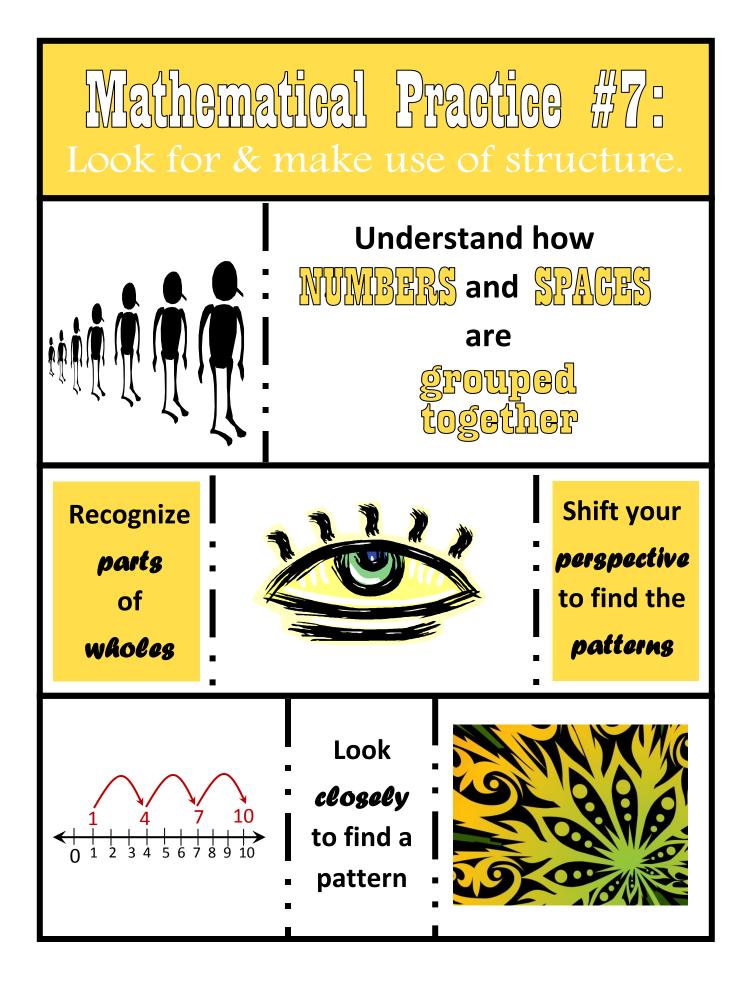
- I can identify important quantities and use mathematical tools to show relationships.
- I can analyze mathematical relationships to draw conclusions.
- I can interpret the results for a problem and know whether the solution makes sense.

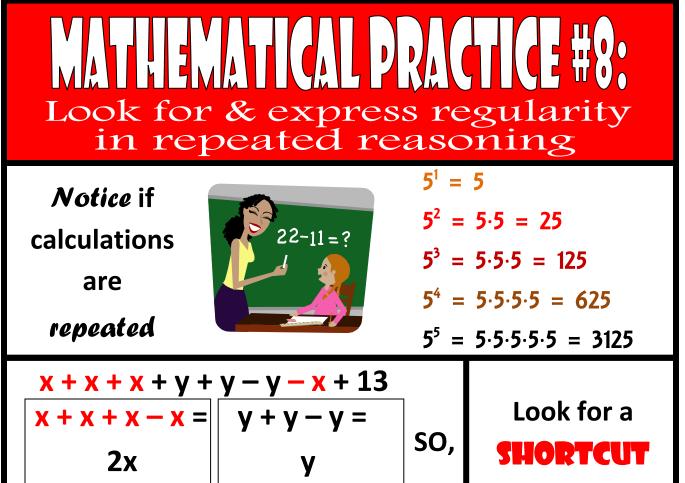
I know when to make improvements when what I'm using is not working. I can use what I know to simplify a problem & make an assumption about it & know that I may need to make adjustments to it later.



Mathematical Practice #6: Attend to precision.







2x + y+ 13

Can you find a
FORMULA ?

Can you write an **EQUATION** ?

Are you paying attention to the details? EVALUATE YOURSELF?

Is my answer reasonable?