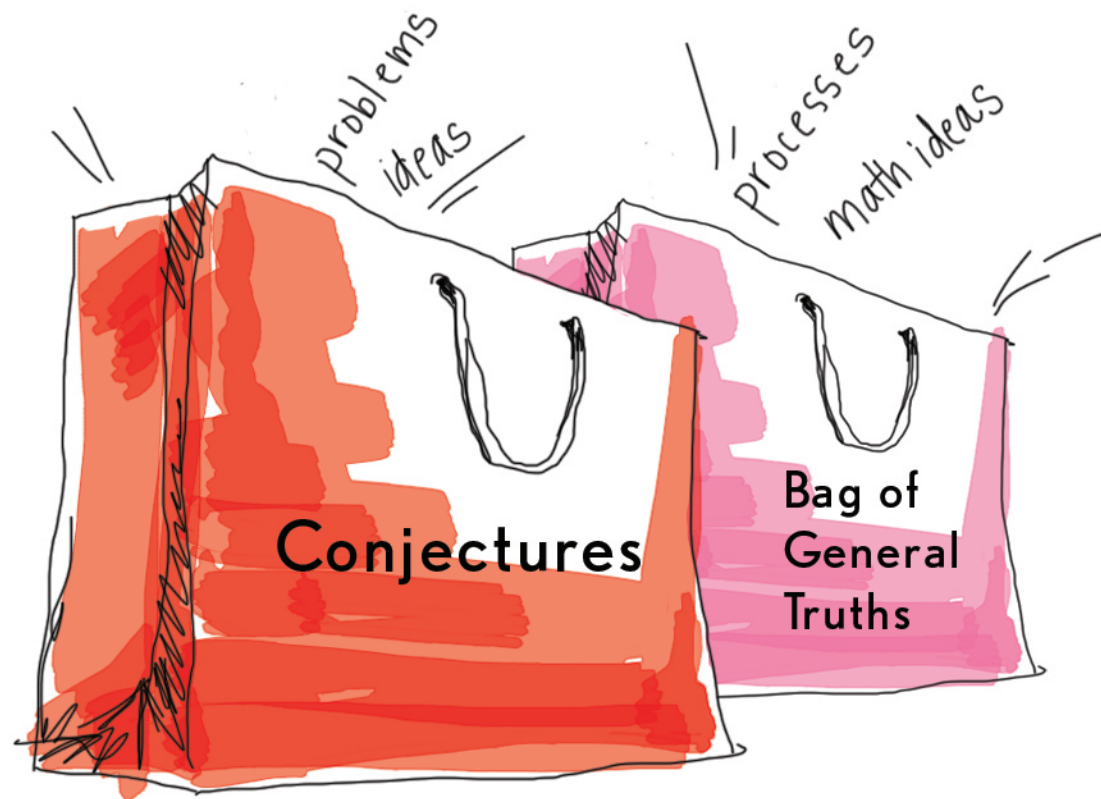


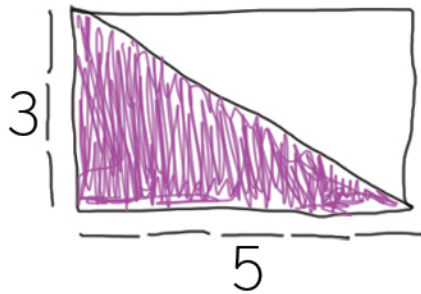
GENERALIZE

Aha! I can use math to show why...
is always true ...

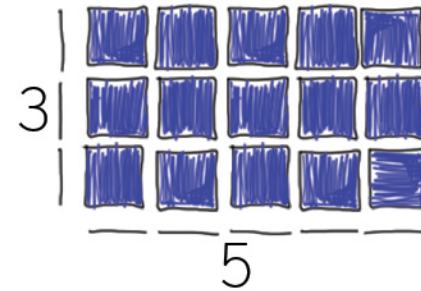



JUSTIFY

why



because,

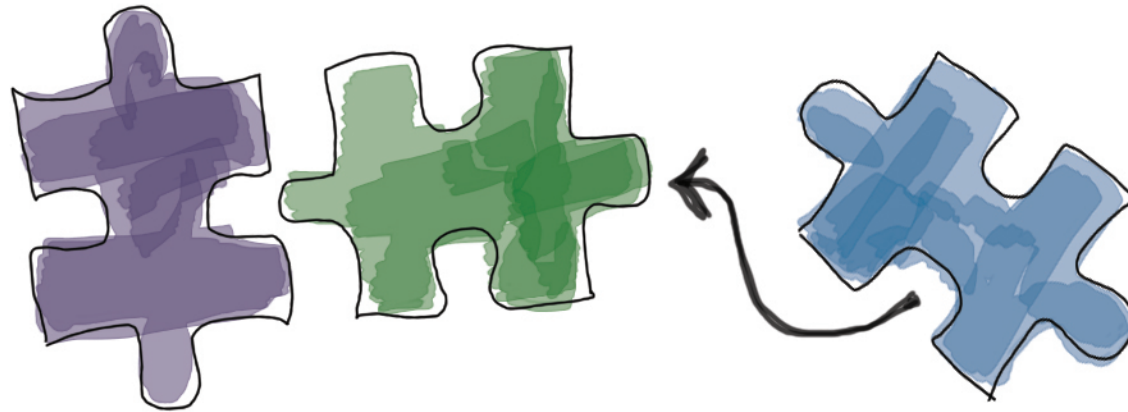


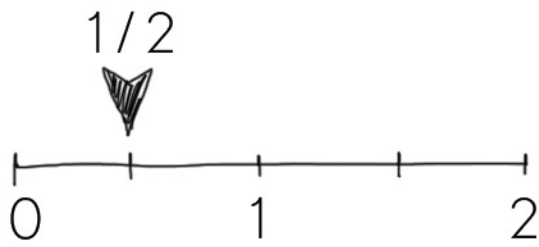
 Area is $(3 \times 5) \div 2$

 Area is 3×5

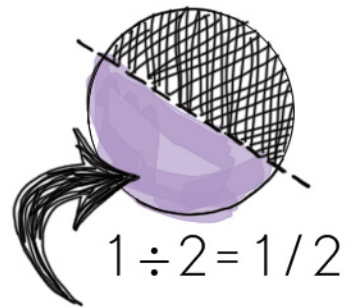
make

SENSE

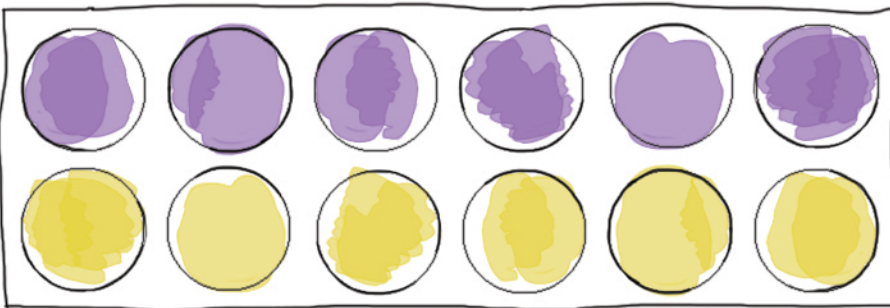




Mathematical REPRESENTATIONS



I need one-half of a dozen eggs...



Metacognition Reflection

I used to think... but
now I think...

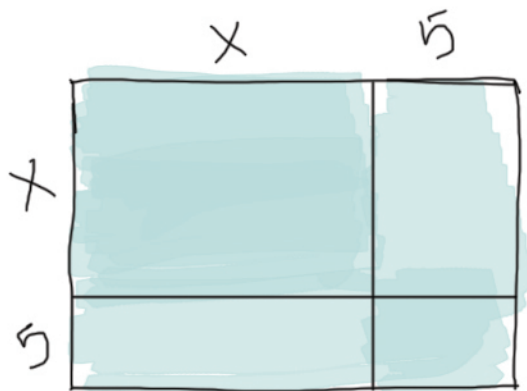
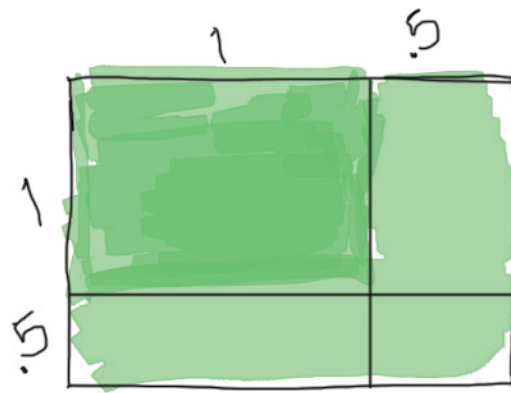
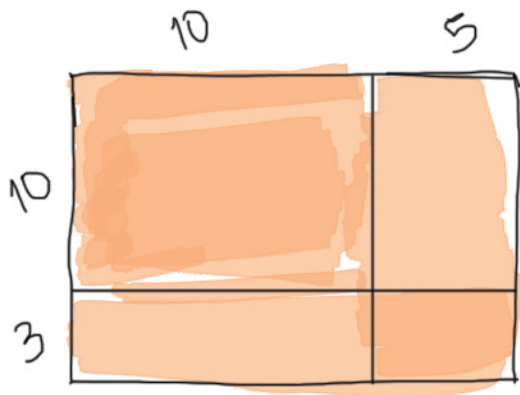
Hmmm...this idea contradicts
that idea...

That doesn't seem logical.
I am in disequilibrium!

I reasoned that ...

Here is how my strategies
compare to ...





Look!
 We reasoned alike...
 I could use this model
 to solve 25×23 and ...



REGULARITY

patterns

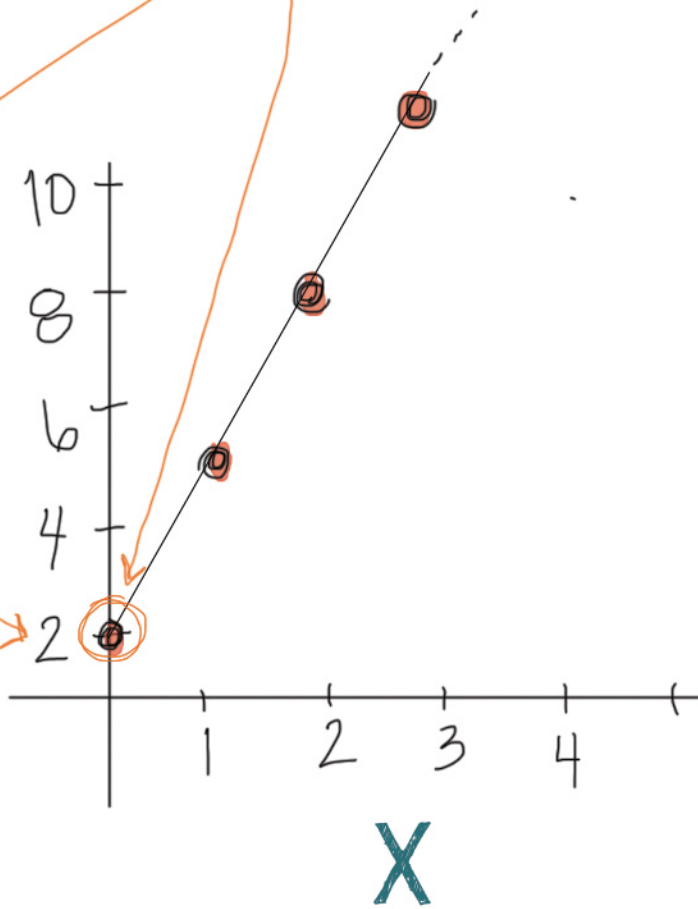
STRUCTURE

Connections

$$y = 3x + 2$$

x	y
0	2
1	5
2	8
3	11
4	14

y



Good places to start!

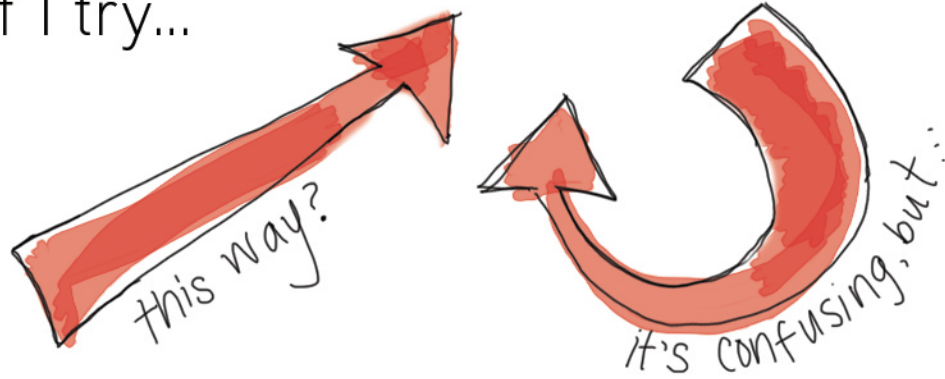
Mistakes & Stuck Points

New Learning
YAY!

New Ways
To Reason
SUCCESS!



This isn't making sense YET...
What if I try...



Persevere & SEEK MORE

I figured it out! Now I wonder...

