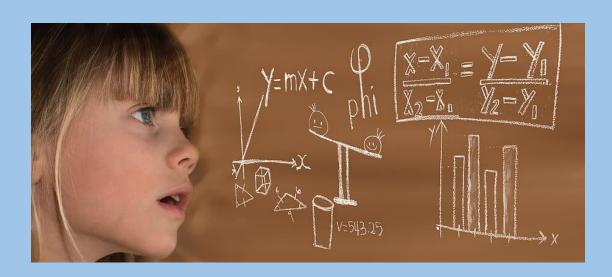
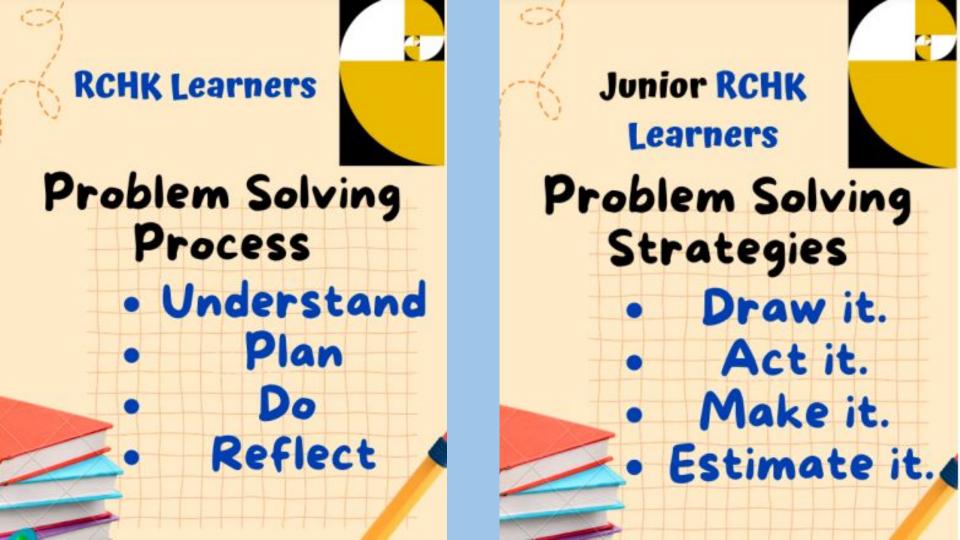
How do mathematicians engage in problem solving and reasoning?





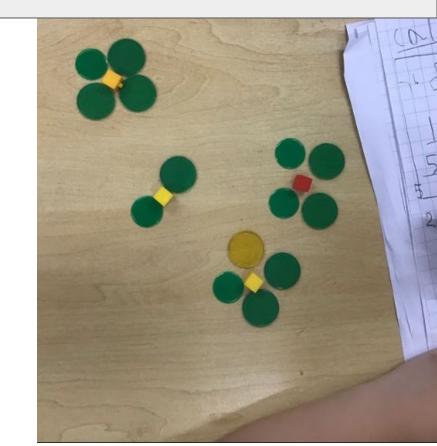
Reasoning Process:

- share answer and explain why it is correct.
- make connections between solutions of different problems

How do mathematicians work?



Sometimes mathematicians use counters so they can move them around and count or just imagine the problem they are solving.

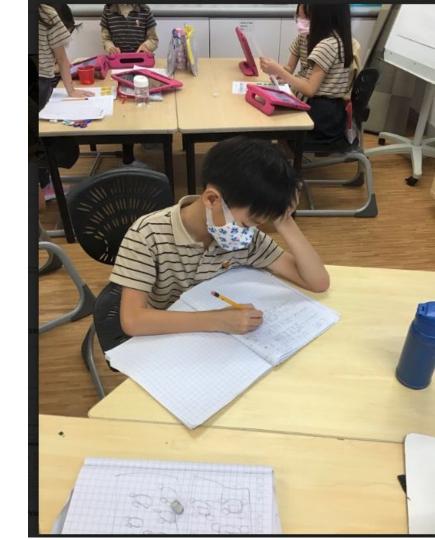


Mathematicians use pictures, numbers and words that are neat and easy to read.



Mathematicians persevere. Sometimes math problems take time to solve. It can be hard work.





What will you use today?

Think about:

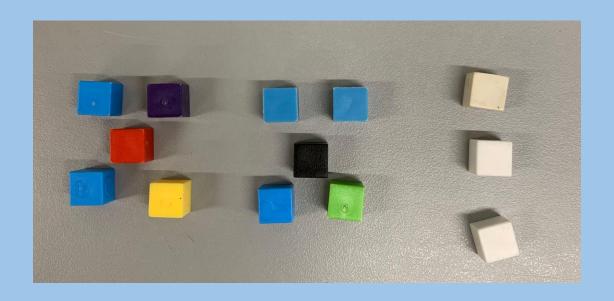
- Using counters
- Drawing pictures
- Using numbers and words that are neat and easy to read
- Drawing boxes around your solutions to keep them neat
- Persevering even if the math is difficult or challenging

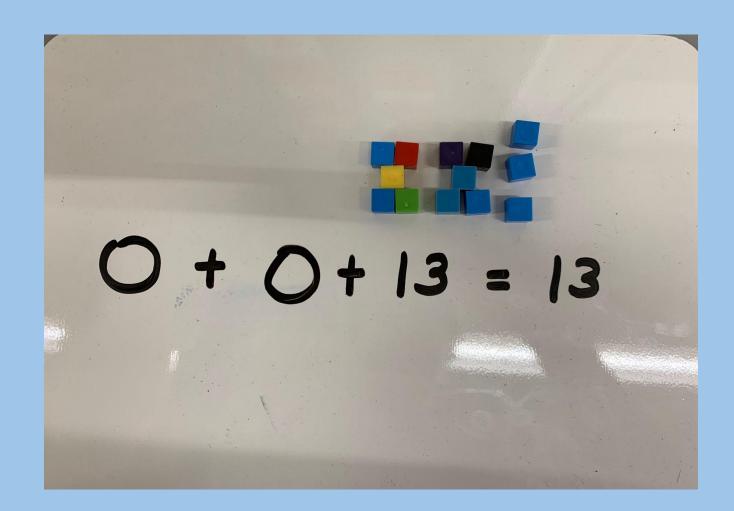
_ + ____ + ____ = 13

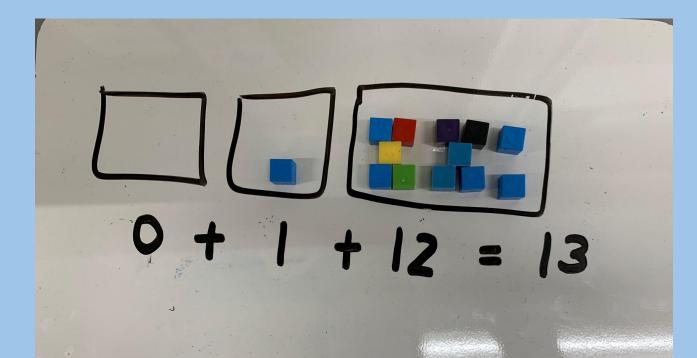
How will you know if you find all the possibilities?

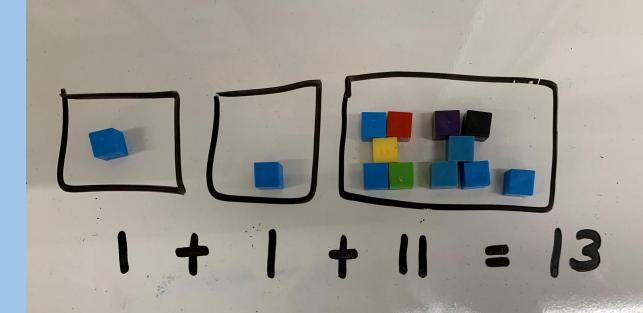
What might the missing numbers be?

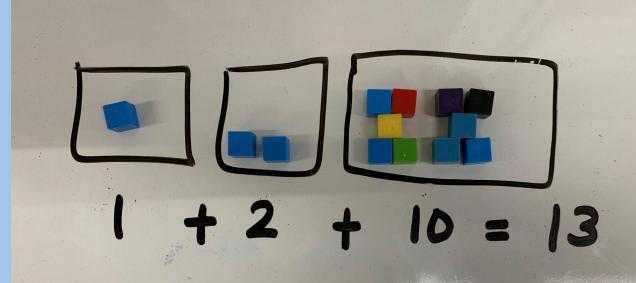
How might counters help me get all the possibilities for ___ + ___ = 13?

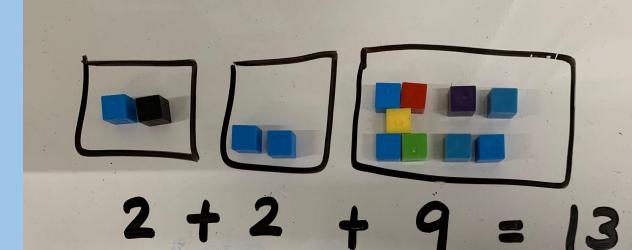








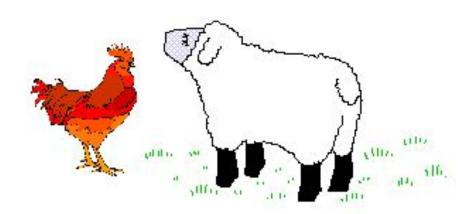




Challenge Question:

Can you find all the ways?

Heads and Feet



On a farm there were some hens and sheep.

Altogether there were 8 heads and 22 feet.

How many hens were there?