



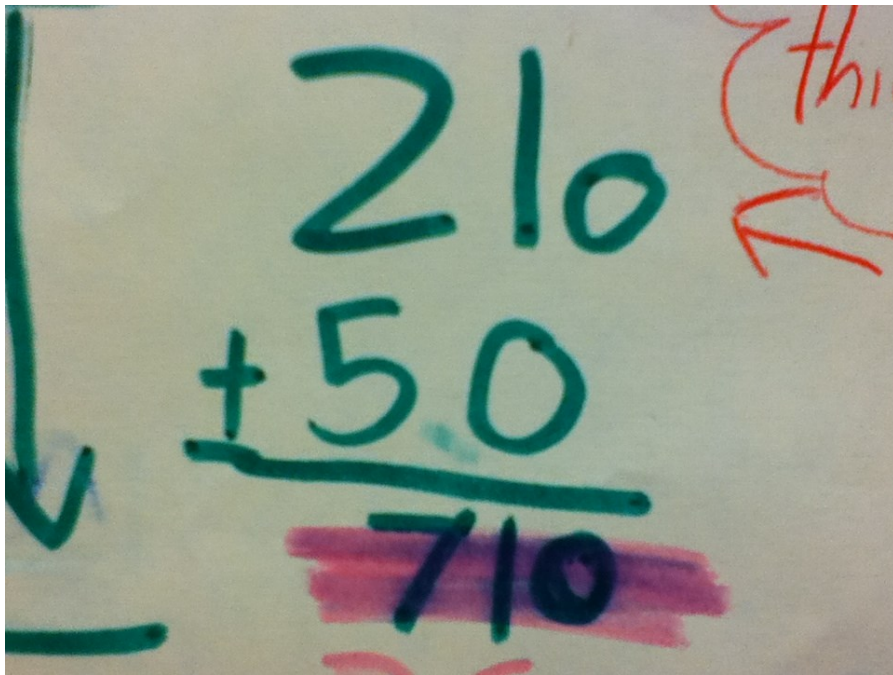
Everyone Can Learn Math to the Highest Levels



Encourage students to believe in themselves. There is no such thing as a “math” person. Everyone can reach the highest levels they want to, with hard work.



Mistakes are Valuable



Mistakes grow your brain! It is good to struggle and make mistakes.



Questions are Really Important



Always ask questions, always answer questions. Ask yourself: why does that make sense?



Math is About Creativity and Making Sense



Math is a very creative subject that is, at its core, about visualizing patterns and creating solution paths that others can see, discuss and critique.



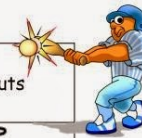
Math is About Connections and Communicating

In baseball, each team gets 3 outs to end an inning. There are 9 innings in a game. How many outs will each team get during the game? 27

During one game, how many outs will there be in total?

$$\begin{aligned} & 27 + 27 \\ & \hline & 20 + 7 + 20 + 7 \\ & 20 + 20 = 40 \\ & 7 + 7 = 14 \\ & 40 + 10 + 4 = 54 \end{aligned}$$

Inning	Total Outs
1	3
2	6
3	9
4	12
5	15
6	18
7	21
8	24
9	27



Math is a connected subject, and a form of communication. Represent math in different forms (words, graphs, equations)



**Depth is Much More
Important Than Speed**



**Top mathematicians, such as Laurent
Schwartz, think slowly and deeply.**



Math is About Learning not Performing



Math is a growth subject, it takes time to learn and it is all about effort.