Overarching Habits of Mind

MP1: Make sense of problems and persevere in solving them.



MP6: Attend to precision.

Definition			Characteristics
Communicate your mathematical			accuracy, vocabulary,
thinking clearly and precisely.			attention to detail
Be accurate when you count,			
measure, & calculate.			
	R A	DC	
Example			Non-Example:
vocabulary word walls,			"that thing"
peer editing			numbers w/o labels
"What's another word for that?"		"Th	ne number on the top of the fraction"
"How might you label the answer?"			

Reasoning & Explaining

MP2 Reason abstractly and quantitatively.

Definition Explain the meaning of numbers, words, pictures, symbols, tables, graphs, and concrete objects.	Characteristics contextualize & decontextualize, in & out of context
Example Singapore bar model "What do the numbers used in the problem represent?" "This shows…"	P2 Non-Example "Ours is not to reason why, just invert and multiply"

MP3 Construct viable arguments and critique the reasoning of others.



Modeling & Using Tools

MP4 Model with mathematics.



MP5 Use appropriate tools strategically.



Seeing Structure & Generalizing

MP7 Look for and make use of structure.

Definition	Characteristics
See and understand how numbers and	operating, dissecting,
shapes are organized and put together as	discovering, deconstruct,
parts and wholes.	decompose & compose
Example	Non-Example
112 is	teaching the algorithm
11 tens & 2 ones,	without connections
1 hundred & 12 ones,	
1 hundred, 1 ten & 2 ones	

MP8 Look for and express regularity in repeated reasoning.

