Problem Solving (CGI) Anticipatory Framework 3rd - 5th

Teacher:	Grade:		Date:	
SRU SCU SSU PPW-WU PPW-PU			Rationale/Goal: Misconceptions:	
Comprehension Question:				
Anticipated Strategy			Anticipated Strategy	
Anticipated Strategy			Anticipated Strategy	
Anticipated Strategy			Anticipated Strategy	

Tools for getting to purposeful mathematics discourse:

- 1) **Choose** a meaningful task
- 2) Anticipate student strategies
- 3) *Monitor* students' work on engagement with the tasks
- 4) **Select** particular students to present their mathematical work
- 5) **Sequence** students' responses in a specific order for discussion
- 6) Connect different students' responses and connect the responses to key mathematical ideas

3) *Monitor* students' work on engagement with the tasks

Question Types	For Your Task	Examples
Exploring - underlying mathematical relationships and meanings		*How does your array relate to what we know about multiplication and division? *What conjecture can you make about that?
Probing - getting students to explain their thinking		*How do you know? *Why did you? *I'm not clear on how you did *Can you explain more about?
Generating - motivating thought		*How might you prove that 51 is the solution? *How can you use what you know to get started? *What information/tool might you need to figure this out?
Gathering Information: students are asked to recall facts, definitions, or procedures		*What does the symbol = mean? *What happened in the story? *What is the formula for that?

6) **Connect** different students' responses and connect the responses to key mathematical ideas (Talk Moves)

Talk Move	Used For	Used Today	Effective?
Re-voicing (teacher) Focusing (Not Funneling)	Making a child's statement more clear/precise. ¹		
Repeat (student)	Asking a student to repeat what another student said in their own words.		
Reason reflect	Asking a student if they agree or disagree with someone else's reasoning.		
Prompting	Asking for more ideas: Would someone like to add on?		
Wait time	Allow for thought processing		
Others (Use additional moves list)			