Room: B-105 Date: 10/13/22 Teacher: Ms. Dailey Glow/Noticing: Grow/Wondering: Stations numbered around the room I'm wondering if there is a way to separate the instructional 2. Small group in the front on the rug with 120s charts group to a smaller area so there's no distractions from other 3. Station are in action groups (unless this is working well for you) 4. Students have 120 charts I am wondering if groups are used daily/bi-weekly/weekly. 2. I was wondering what was the pattern for what the Teacher had all the materials ready for student use 5. 3. 6. Students using enlarged cards for number sense stations are? Do you change based on content or is it staying Students in partners are working well together, not goofing at number sense? 7. I wonder if during closure, will each group have the around Smooth transition, love the chimes, reminding students of opportunity to share with the class? expectations I wonder about the maximum size of the groups. Students groups are posted and able to be seen by students 10. Student led discussions 11. Students are independent in groups and sharing knowledge. 12. Manipulatives are everywhere:) Yes!! 13. Students working together through race to 100 and talking through things together, encouraging one another

Tweeks:

100.

- 1. Could the students who are working in a small group on technology work to support each other?
- 2. Could students using cards work in a group of 4 or work in teams of two

14. Students were talking about what they would need to get to

15. I am hearing a lot of good math language being used :)

- 3. Could different groups be displayed in different colors so that students can track their next group?
- 4. In the Race to 100 Game...how could we encourage students to use the language ones and tens. Also, how can we ensure that players take turns at the same moment?
- 5. Could students have more turns to use Smartboard to skip count backwards on the number line?

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Teacher: Ms. Trappier		Room: B-111		Date: 10/13/22	
Glow/Noticing:		Grow/Wondering:			
	1.	Groups were posted on the board	1.	I wonder why they ar	re all playing the same game?
	2.	Students were in groups and the majority were	2.		ts had roles when doing the
		working, talking, and helping each other	! ! !	activity?	
	3.	Students recording on paper	3.	I wonder if students l	know what to do if they need
	4.	Teachers were supporting/checking in on groups	! ! !	help?	
	5.	Students could explain what they were doing	4.	I was wondering if yo	ou could pull a group during
	6.	Students were communicating well and checking	 	this time? (guided cer	nter)
		for understanding and clarity	5.	I wonder was using th	ne manipulatives a "must do"
	7.	Students were using precise math language such	! ! !		
		as "groups of" and "arrays"	! ! !		
	8.	Students redirect themselves to continue to work	! ! !		
	9.	Some students chose to use the manipulatives	! ! !		
		some did not	! ! !		
	10.	The students were very engaged and on task.	1 1 1 1		
1		They were having fun.	! ! !		
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- 1. Give everyone a job or role
- 2. Teach one group how to do the Distributive Property and maybe those students can teacher others later
- 3. Could higher factors be used for students to know the lower facts?
- 4. Could the students have labeled their representations?

Teacher: Ms. Bonniville Room: B-102 Date: 10/13/22

Glow/Noticing:

- The kids are not just playing with manipulatives but using them to explore math
- 2. Lots of manipulatives and hands on activities
- 3. Most kids will be engaged and most will be verbal.
- 4. Students used manipulatives to build their math work.
- When students get done they have an assignment/know the expectation that is set by the teacher before ending their center time.
- 6. All materials will be readily available for student use
- 7. A good kind of noisy
- 8. The centers are K ready for content/objectives.
- 9. Stations were posted with picture of students with about 3 to 4 students per station
- 10. Kids knew the expectations and worked well collaboratively.
- 11. In the number writing center students used salt numbers and said the numbers as they created them
- 12. Teacher used a chime to gain attention and sang
- 13. Students used various strategies to solve a problem
- 14. Nice use of music for transitions

Grow/Wondering:

- 1. When playing "Bam" could the students talk to say the numbers?
- I wonder if for BAM you could add dots to the cards for those that can't yet recognize the numbers, also have partners play with different color cards so when they have to pass them back they know whose cards are whose.
- 3. When playing Bam (Top-It), how are students to know if they really had the higher number? (one student said, "I won!" and the other student said, "ok!" Just wondering how could both students be sure which number is greater.

- 1. Loved the use of practical, everyday items (i.e., salt, beans). Could large beans (e.g., lima beans have been used) for easier handling with little hands?
- 2. Loved the pairs playing Bam (Top-It). Maybe you could have the pairs use two different colors. This would make it easier for students to distinguish which card is theirs. Using different colors could also make it easy for cleanup as well.

Teacher: Ms. Howard Room: A-107 Date: 10/13/22

Glow/Noticing:

- 1. Students are working in groups and seem to know that to do
- 2. Teacher is doing a Guided Math group
- 3. Using whiteboards to interact in guided math
- Teacher promoting counting on by using students ability to subitize 3 to foster counting on
- 5. Great visual on the board w/ picture support for groups
- 6. Timer is displayed
- Manipulatives are being used
- 8. Students are in working groups, quietly and on task
- 9. Visible groups and timers for students to see
- 10. Math conversations
- 11. Hearing math vocab between students
- 12. Scaffolding in groups are noticeable
- 13. Students had more than 1 activity that they could do at a center
- 14. Students noticed a pattern in the Chromebooks group
- 15. Students making connections to the real world
- Students immediately began to clean up after timer went off
- 17. Students cleaned up so quickly and getting what they need effectively
- Teacher counted backwards while students transitioned into stations
- Very controlled! Clear expectations with cleaning up and preparing for the next group
- 20. Teacher used a story to engage students. Context is king!
- 21. Teacher sets the purpose for learning in guided math group
- Using real world problem with her students to keep them engaged with manipulatives
- 23. Reading skills being strengthened in math games with the instruction cards
- 24. A student reminded the others of how much time was remaining
- 25. Teacher has manipulatives and materials readily available during small group, smooth transitions.
- 26. No one disturbed the teacher from other groups
- 27. Reminded students to put names on papers which allows for the teacher to check student work later on

Grow/Wondering:

- 1. How do students know what group they are in based on board display?
- 2. How many groups do you have? Will the small group stay with you the entire time?
- 3. I wonder if you will incorporate the Big Ideas book?
- 4. I wonder if each group has student leaders?
- 5. Are groups homogeneous/heterogeneous?
- 6. I wonder how many rotations take place in a day?
- 7. Are there multiple options in each group?
- 8. I wonder how students in the Tech Center can be supported if they are unsure of what to do.
- 9. Math games I wonder how many are allowed per group time?
- I wonder if sentence starters or vocabulary cards could be used to promote student use mathematical language
- 11. I wonder if the teacher models each station at the beginning of the week?
- 12. I wonder if the math games are centered around the instruction or just fluency practice?
- 13. I wonder if there's too many options for the math games where students are quickly going through the materials rather than focusing on the concept. Students are using parts of two games to create a new game (find the match and if they don't then they do a dare with pieces from another game?)
- 14. I wonder if the checking for understanding group could be more partner oriented and less independent to encourage math talk? Are there manipulatives readily available for use in this group if needed?
- 15. I wonder how we could ensure that non-readers can gain access to the written task cards?
- 16. Is there a time keeper for the whole class?
- 17. I wonder why the workbook was used with some students, but not with others?

- 1. In the chromebook group, maybe have students space out to work more independently on their games? But they can still ask their peers for help if needed
- 2. In the roll dice and color center...to save dry erase markers, could counters be used to cover what is rolled? Could different dice be used with higher numbers?
- 3. Could the students who were filling out the number grid have worked in collaboration with each other?
- 4. Timer with an alarm or sound, so students are aware when the time is up, or time to clean up, possible clean up slide in between for smooth transition
- 5. Pictures on rotation chart for struggling readers to create independent learners
- 6. One to two games in the math game center, seemed to be too many materials in one place

Teacher: Ms. McPhatter			B-115	Date: 10/12/22
Glow/Noticing: 28. There were a few students who were excellent peer helpers 29. Materials were ready and available for student		Grow/Wondering: 1. How will you use the data to grow the students/ create new groups? 2. How might formative assessment data be		
30.	The teacher will be able to check student work later because the work was placed in the center of the tables	3.	collected/recorded? How would you go about students that were so easily?	out challenging those plving problems quickly and
31.	Students were engaged at each station.			
32.	Students kept each other on task and reminded classmates of what they were supposed to do.			
33.	Students were patiently working with students that were struggling			
34.	Simple materials were used			
35.	The same skill was being learned just in different			
! ! !	ways			

- 7. Model for students how to use the square tiles (or other materials) to model.
- 8. Use dice with higher factors so that students can better apply the Distributive Property when they get to it.

Teacher: Ms. Harlee	Room:	Date: 10/12/22	
Glow/Noticing:	Grow/Wondering:		
36. Teacher said, "I need my groups." and the students knew where to go seamlessly.37. Students worked in groups of 3 to 4 and knew		encourage students to offer proof ng or work as opposed to giving	
what to do. 38. Students worked together.		acourage the checking of work? Ind 40x11 and the answer of 51.	
39. Students playing game (Zoom) and talking out the problems.	6. I wonder if the	Math Equation Cards could have I by operations (students	
40. Students practicing and correcting each other.	discarded/skip	ped multiplication).	
41. Seating was arranged	! !	tudents place their completed work be used to guide later	
	8. What other mu	Itiplication strategies are students	

Tweeks:

9. Encourage students to use the properties of operations to add numbers. For example, they were adding 9+8 by counting and only adding by ones and tens.

being encouraged to use?

- 10. Make erasers available.
- 11. Could all of the students at the Zoom station work out the problems to double check each other?
- 12. Remind students that they are not "adding a zero" when doing things like 30 x 20.

Ms. Trappier's Center Ideas:

- Zoom (addition and multiplication) 2 decks of cards, paper, reference chart/flash cards
- Comparing Multi-digit numbers (2 decks of cards)
- Crosshatch Method (color pencils, white paper
- Word Problems (Sage and Scribe) word problem K-5 Teaching Resources

Teacher: Mr. Jones		Room: c115		Date: 10/12/22
Glow/	Noticing:	Grow/	······ Wondering:	·
42.	through their independent work		Do students work out their problems and then collaborate about their answers or do they work on one problem	
	Students working on problems together Students are completing problems from multiple chapters	10.	together? If a student (not in the fo	ocal group) is struggling while you
	(Spiral)	, , ,		, what is the process to deal with
45.	Students are correcting each other (being great helpers)		that?	
46.	Students have their materials with them	11.	How did you create origin	nal groups? What data was used?
47.	There are some manipulatives out for students to utilize	12.	How will you create new	groups? What data will be used?
	(place value sheets)	13.	Do you use Big Ideas for v	whole class instruction before
48.	Students are able to quickly transition between stations		moving into groups?	
49.	Students are working out problems and checking answers	14.	Do students stay at their	desk to complete the stations?
50.	I like the test prep station. It is helpful that students can see those problems exactly how they will be written on their SC Ready test.	15.	Do each group get a set of pass it around to the nex	of test prep questions or do they t group?

Tweeks:

- 13. Consider the location of where his small group is located because your voice carries
- 14. Establish what collaboration means for students. (voice level ranges for students collaborating)
- 15. Provide a timer on the board for them to know when it is time to switch

Ms. Hamilton's Centers

- Test Prep Station (NYS Grade 5 Released Items)
- Freckle
- Game Multiplying Whole Numbers (base ten blocks, arrays)
- Flashcards Connections Figuring out a missing factor