Create an example with the class. Give me all the numbers between 1 and 10. What are 4 basic operations? Okay, let's take two numbers and do something with them.

Highlight: division has limited options; some numbers, there's only one way to get them

19, 32, -6, 3, 8

17, 2, 21, 3, 2 ÷ •

14, -1, 20, 16, 10 (+, -, •, +, ÷)

4	•	2	II	2
9	-	6	II	3
7	×	1	II	7
10	-	3	II	7
2	+	5	Π	7

Now all odd numbers must be negative. Start with giving all signs.

-7	+	-9	Ξ	-16
6	•	-3	=	-2
-5	×	-1	=	5
6	+	8	=	14
2	-	4	=	-2

6	+	-9	=	-3
5	×	-3	=	-15
8	÷	2	=	4
-1	-	4	=	-5
10	-	-7	=	17

-1	×	2	=	-2
-9	-	-7	=	-2
6	•••	-3	=	-2
8	-	10	=	-2

Save: the order of what students did.

10	+	-9	=	1
6	• •	-3	=	-2
4	-	-7	=	11
8	••	2	=	4
-1	×	-5	=	5

Consolidation: (in the manner of Peters' new-in-2023 way to consolidate after thin slicing)

Which one of these would you try to solve first? Which operations go with any of these answers?

			=	54	Do 1 st : Must be multiplication
			=	-6	Do 3 rd : Must be subtraction 1-7 or 2-8 or 4-10
			=	13	Do 2 nd : Must be addition. Possibilities: 10+3 or 8+5 (9 and 6 are taken)
			10 (7		-Multiplication and Addition give us larger answers,
Now which operation have we not used? (Division)			ot used? (D	1V1S10n)	-Division and Subtraction give us smaller answers.
So we've used 9 and 6. What numbers can we use for division? (10, 8, 4, 5, and 2). Last two			mbers can v Last two	we use	Except when? (when mult/div by 1)
numbers are 4 and 9. Which is the one we get by division? (Send them to annotate or CYU this)			ne one we g te or CYU 1	et by this)	-Good strategy is to list all possible ways to get something.

CYU: Spreadsheet to generate problems:

https://docs.google.com/spreadsheets/d/1MucZp6XVh50UGefEX7x8mP3uhIOQ6hPv/edit? usp=drive_link&ouid=106053485084789476927&rtpof=true&sd=true

CYU worksheet with only positives:

https://docs.google.com/document/d/15hkLdXUtrdj5M7AjLzYdMXeL2B47jmS_/edit?usp= drive_link&ouid=106053485084789476927&rtpof=true&sd=true

CYU worksheet with integers: <u>https://docs.google.com/document/d/1L9hSiSWubdWTIN6VvkGUrRR-</u> G6QS9XCX/edit?usp=drive_link&ouid=106053485084789476927&rtpof=true&sd=true