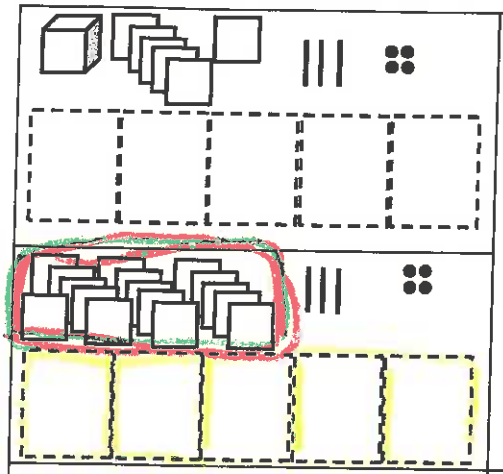
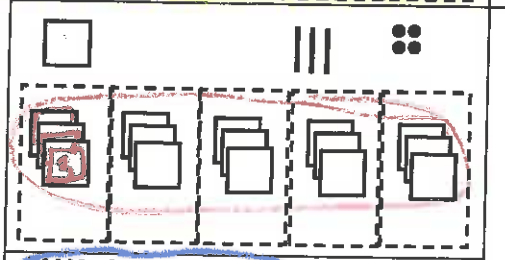
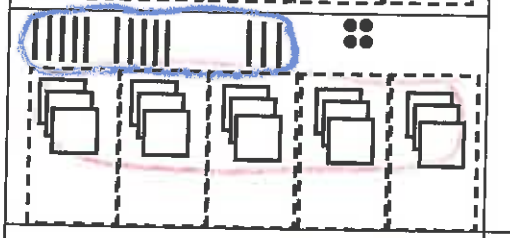
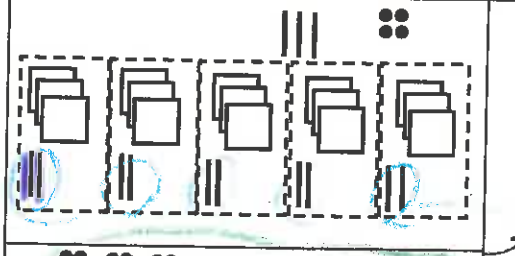
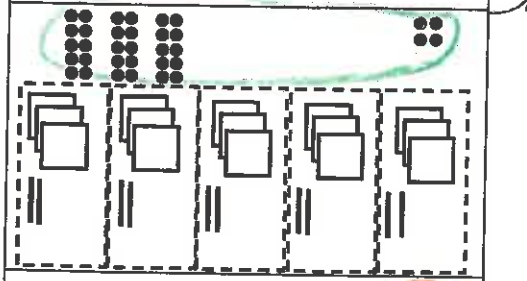
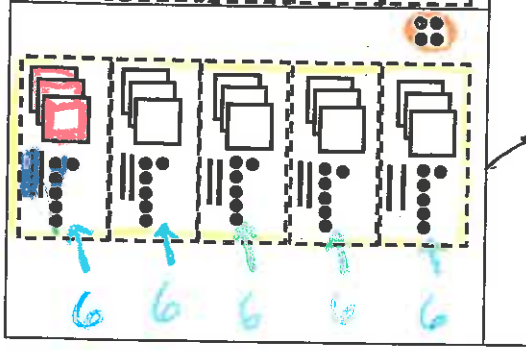
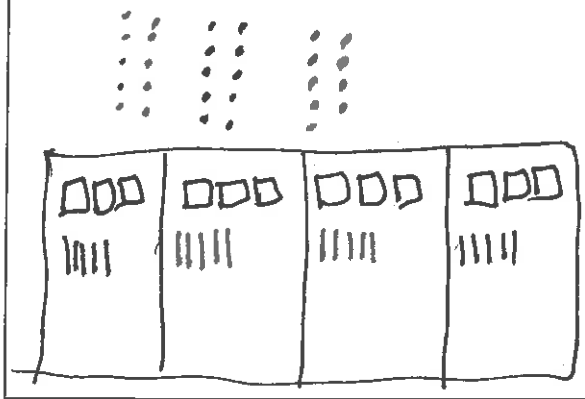
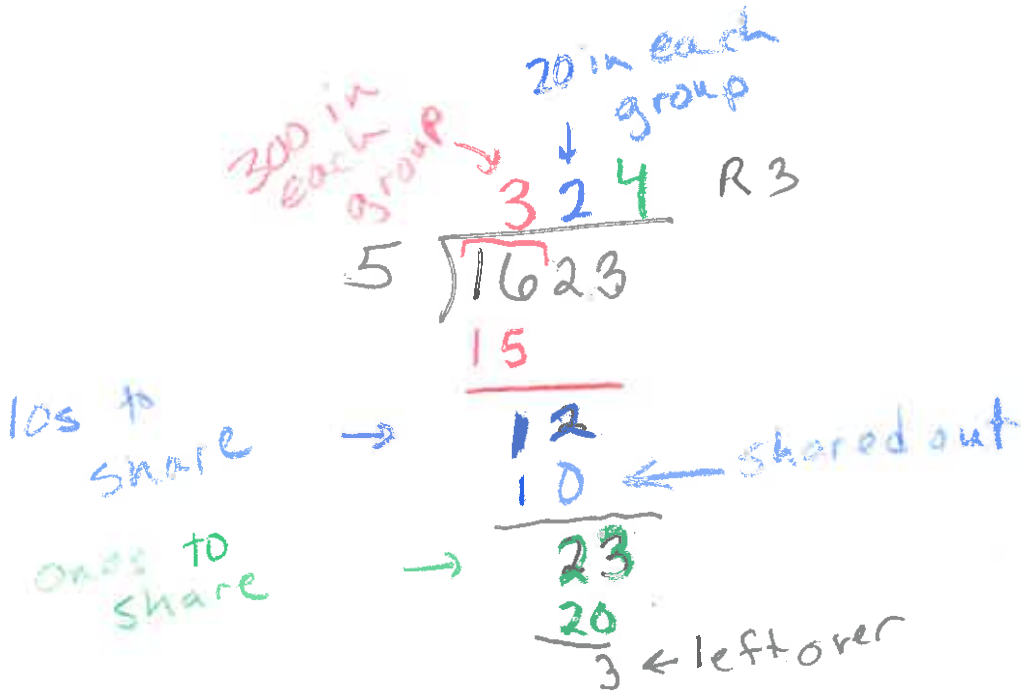
Long Division and Scaffolding Division
Example:

name:_____

class time:_____

	$5\overline{)1634}$	Take out the base 10 blocks for the number being divided (the dividend), and make groups to show the amount divided by (divisor)
		There aren't enough thousands to put one in each group, so trade the thousand for 10 hundreds. That gives us 16 hundreds
	$\begin{array}{r} 3 \\ 5\overline{)1634} \\ -15 \\ \hline 13 \end{array}$	Distribute hundreds evenly to the groups. There will be 3 hundreds in each group (write the hundreds place of the quotient). In all we distributed 15 hundreds (write that they are used), so there is 1 hundred left (write difference)
		We can't distribute any more hundreds, so we trade our remaining hundred for 10 tens. This give us 13 tens (write the 3 tens next to the 1 hundred remaining to show 13 tens)
	$\begin{array}{r} 32 \\ 5\overline{)1634} \\ -15 \\ \hline 13 \\ -10 \\ \hline 34 \end{array}$	Distribute as many tens as we can to the groups. In all, we put 2 tens in each group (write in tens place of the quotient). In all, we used 10 tens (write that in the work space), and there are 3 tens left (write that as the difference)
		We can't distribute any more tens, so we trade each of the 3 tens for 10 ones. Now we have 34 ones. Write the 4 ones next to the 3 for 3 tens to show 34 ones are left
	$\begin{array}{r} 326R4 \\ 5\overline{)1634} \\ -15 \\ \hline 13 \\ -10 \\ \hline 34 \\ -30 \\ \hline 4 \end{array}$	Distribute as many ones as we can evenly to the groups. There are 6 ones in each group (write in quotient). In all we used 30 ones (write in work space), and there are 4 left (write as the difference and as the remainder.

2. Draw what the manipulatives would look at this point in the long division algorithm. 	$\begin{array}{r} 35 \\ 4\overline{)1429} \\ -12 \\ \hline 22 \\ -20 \\ \hline 29 \end{array}$	Explain what each of the numbers represents in the manipulatives and the problem: a. What is 4? number of groups b. What is 35? 300 in each box and 5 tens in each box c. What is 29? 29 ones waiting to be distributed
3. Draw what the manipulatives would look at this point in the long division algorithm.	$\begin{array}{r} 4 \\ 6\overline{)2729} \\ -24 \\ \hline 32 \end{array}$	Explain what each of the numbers represents in the manipulatives and the problem: a. What is 6? b. What is 4? c. What is 32?
4. Draw what the manipulatives would look at this point in the long division algorithm.	$\begin{array}{r} 26 \\ 3\overline{)805} \\ -6 \\ \hline 20 \\ -18 \\ \hline 25 \end{array}$	Explain what each of the numbers represents in the manipulatives and the problem: a. What is 3? b. What is 26? c. What is 25?


300 in each group
20 in each group
3 2 4 R3
5) 1 6 2 3
1 5
1 2
1 0
2 3
2 0
3
10s to share
ones to share
shared out
leftover