	5) 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} \\ \underline{-15} \\ 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} \\ \underline{-15} \\ 13 \\ \underline{-10} \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)
	34 326 <i>R</i> 4	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} 5) \overline{1634} \\ \underline{-15} \\ 13 \\ \underline{-10} \\ 34 \\ \underline{-30} \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.

4

1. Fill in the missing parts of t	his long division explanation:	
	3) 434	Take out the base 10 blocks for the number being divided (the dividend), and make groups to show the amount divided by (divisor)
		Distribute hundreds evenly to the groups. There are hundreds in each group (write it in the hundreds place of the quotient). In all we distributed hundreds (write that they are used), so there is hundred left (write difference)
		We can't distribute any more hundreds, so we trade our remaining hundreds for 10 tens each. This give us tens
		Distribute tens to the groups. We put tens in each group (write in tens place of the quotient). In all, we used tens (write that in the work space), and there are tens left (write that as the difference)
		We can't distribute any more tens, so we trade each of the remaining tens for 10 ones. Now we have ones.
		Distribute as many ones as we can evenly to the groups. There are ones in each group (write in quotient). In all we used ones (write in work space), and there are 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) 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?  b. What is 35?  c. What is 29?
3. Draw what the manipulatives would look at this point in the long division algorithm.	4 6) 2729 -24 32	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} 2 6 \\ 3) 8 0 5 \\ \underline{-6} \\ 20 \\ \underline{-1 8} \\ 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?

## **Scaffolding Division Example:**

100 100 200	100 100 200	100 100 200	100 100 200	100 100 200	$ \begin{array}{r} 100 \\ 5) \overline{1634} \\ -500 \\ 1134 \\ 200 \\ 100 \\ 5) \overline{1634} \\ -500 \\ 1134 \\ -1000 \\ 134 \end{array} $	5) 1634   -500   100 1134   5) 1634   -500   100 1134   -1000   200 134	We will share 1634 units into 5 groups. How many can we put into each group? We can put 100 into each group. Then 1134 are left.  We can put 200 more into each group. That uses 1000. Then 134 are left.
100 200 20	100 200 20	100 200 20	100 200 20	100 200 20	20 200 100 5) 1634 -500 1134 -1000 134 -100 34	$ \begin{array}{c c} 5 & 1634   \\  & \underline{-500}   100 \\ \hline 1134   \\  & \underline{-1000}   200 \\ \hline 134   \\  & \underline{-100}   20 \\ \hline 34   \\ \end{array} $	We can put 20 more into each group. That uses 100. Then 34 are left.
100 200 20 6	100 200 20 6	100 200 20 6	100 200 20 6	100 200 20 6	326R4 6 20 200 100 5) 1634 -500 1134 -1000 34 -30 4	326 R4 5) 1634  -500   100 1134  -1000   200 134  -100   20 34  -30   6 4 326	We can put 6 more into each group. That uses 30. Then 4 are left.  In all there are 326 in each group and 4 extra are left.

<sup>5.</sup> Show how to solve by scaffolding with writing amounts into groups:  $1847 \div 4$ 

<sup>6.</sup> Show how to solve by scaffolding with just the numbers: a.  $2375 \div 8$  b.  $4893 \div 12$  c.  $7326 \div 18$