**The Four Operations**

Here is how we are teaching addition, subtraction, multiplication and division.

**ADDITION**

Here is an example of how we add using expanded column addition.

325 + 643 =

1. First we partition the numbers into 100s, 10s and 1s
2. 

1. We then add the ones column 5 + 3= 8
2. Then the tens 20 + 40 = 60
3. And then the hundreds 300 + 600 = 900
4. Finally we put the number back together to make 968

**Addition with Carrying**

426 + 155 =

* We partition the numbers into 100s, 10s and 1s



* We then add the ones 6 + 5 = 11. We cannot put 11 under the line as it has two digits and therefore need to carry the ten across.



* We then add the tens 20 + 50 + 10 = 80
* We then add the hundreds 400 + 100 = 500
* We then put the number back together = 581

**Subtraction**

We teach subtraction using frog to hop from the smallest to the biggest number.

78-34

* Draw a number line and place the smallest number at the start of the line and the biggest number at the end of the line.

78

34

* We then jump to the next 10 and write how many places frog has hopped on top of the jump.

+6

40

34

78

* We can then either jump in 10s or jump all the way to 70

+30

70

+6

78

40

34

* You then hop to the last number

+8

+6

+30

78

70

40

34

* Finally add all the hops up 6 + 30 + 8 = 44

**Multiplication**

We multiply by using the grid method.

23 x 4

* We draw a grid
* We partition into 10s and 1s and place the 2-digit number along the top of the grid.
* We place the one digit on the left hand side.
* 4 x 20 = 80 (if you find this difficult then do 4 x 2 = 8 and then 8 x 10 = 80)
* 4 x 3 = 12
* You then add the boxes up to get the answer 80 + 12 = 92



You should be practicing your 2, 3, 4, 5, 6- and 10-times table

**Division**

We use Chunky Chimp to divide

56 ÷ 4

* How many fours in fifty-six?



* Chunky Chimp will jump along the number line in 4s to see how many lots of fours make 56.
* Count up how many groups to get the answer
* If Chunky Chimp has a few left over but not enough for a group then we use remainder. 34 divided by five would be 6r4