Addition

Examples
For 5 + 3 the children may get 5
objects, and then 3 more and cour
how many altogether.
3 + 5 = 8
• • • + • • • •
,
5 + 3 = 8
1 2 3 4 5 6 7 8 9 1
7 + 8 = 15
+3 +5 7 10 15
37 + 28 = 65 +20 +5 +3

Addition

The different stages	Examples
Stage 6 Partitioned numbers are then written under one another.	87 80 + 7 + 28 20 + 8 100 + 15 = 115
Stage 7 Write the numbers in columns Add the tens first.	87 + 28 100 15 115
Adding the units first.	87 + 28 15 100 115
Stage 8 This then becomes the shorter method where numbers get carried into the next column.	87 + 28 115 11
Stage 9 Later, mover to adding three two digit numbers, two three digit numbers and numbers with amounts of digits.	249 + 96 345 11

Subtraction

The different stages	Examples
Stage 1 Practically get a group of objects together and then take some away.	
Stage 2 Jottings - draw a set of marks, and then cross some out.	12 - 5 = 7
Stage 3 Count back on a number line with numbers already on it.	12 - 3 = 9
Stage 4 Using a number line. Work by counting back. Also work out the difference by counting on.	73 - 39 = 34 -4 -5

Division

Deriving and recalling division facts				
Year 2 Year 3	Year 4			
2 times table 3 times table 5 times table 4 times table 10 times table 6 times table	division facts for all			
The different stages	Examples			
Stage 1 Children will develop their understanding of division and use jottings to support calculation. Stage 2 Grouping	Sharing equally 8 sweets shared between 2 people, how many do they each get?			
Stage 3 Arrays	Grouping or repeated addition There are 8 sweets, how many people can have 2 sweets each? • / • / • / • ./ •			
Stage 4 Repeated addition Repeated addition can be shown easily on a number line.	Arrays can also be used. • • • • • •			

Multiplication

Year 2	2 times table 5 times table	
	10 times table	Within this teach how to know facts i.e. 6×3 is 5×3 and then 1×3
		0 x 3 t3 3 x 3 dita then 1 x 3
Year 3	3 times table 4 times table	9×3 is 10×3 and then take away 3
	5 times table	
	5 times table	

Year 4 Derive and recall multiplication facts for all tables up to 10×10 .

Total		
The different stages	Examples	
Stage 1		
Counting practically in repeated groups/patterns.		
Stage 2	4 x 2 = 8	
Grouping	****	
Stage 3	4 x 2 = 8 or 2 x 4 + 8	
Arrays	***	
Stage 3	5 x 3 is 5 + 5 + 5 = 15 or 3 lots of 5	
Repeated addition	5 5 5	
Repeated addition can be shown easily on a number line.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	