FOUR RULES OF NUMBER

Addition

Column Addition

19.01 + 3.65 + 0.7 =

	7	5	4	9			1	9	.	0	1
+	6	8	5	3				3	.	6	5
1	4	4	0	2		+		0	.	7	0
	1	1	1				2	3	.	3	6
							1	1			
	£	1	2	.	8	5					
+	£		8	.	7	6					
	£	2	1	.	6	1					
		1	1		1						

Place holder 0

'Exchange'

Subtraction

Column subtraction

43762—9354 =

225.7— 82.34 =

	3 4	1 3	5 6	1 2			1 2	1 5	5	. 6 7	1 0
-		9	3	5	4	-		8	2	.	3	4
	3	4	4	0	8			1	7	3	.	3	6

Place holder 0

'Exchange'

Multiplication

Short Multiplication

	5	4	6	3	
×				9	
4	9	1	6	7	
	4	5	2		
	2	.	4	7	
×				6	
1	4	.	8	2	
	2		4		

Long Multiplication

		2	4	7	
		×	2	3	
		7	4	1	
+	4	9	4	0	
	5	6	8	1	
	1				

x10 then x 2 Place holder 0

'Lots of'

Division

Short division by 1 digit

1	4	4	5	÷	4	
	0	3	6	1	r	1
4	1	14	24	5		
or	3	6	1	.	2	5
or	3	6	1	1/4		

Short division by 2 digits

	4	5	5	0	÷	1	4
		0	3	2	5		
1	4	4	45	35	70		

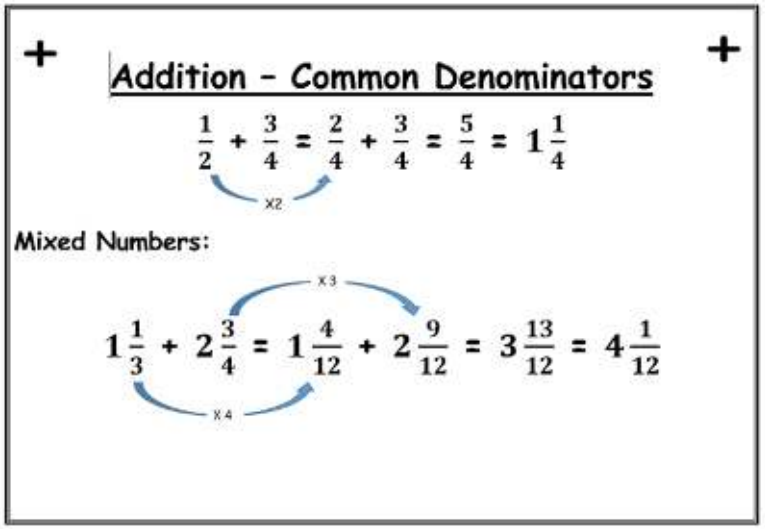
Multiples of 14:

1 4, 2 8, 4 2, 5 6,

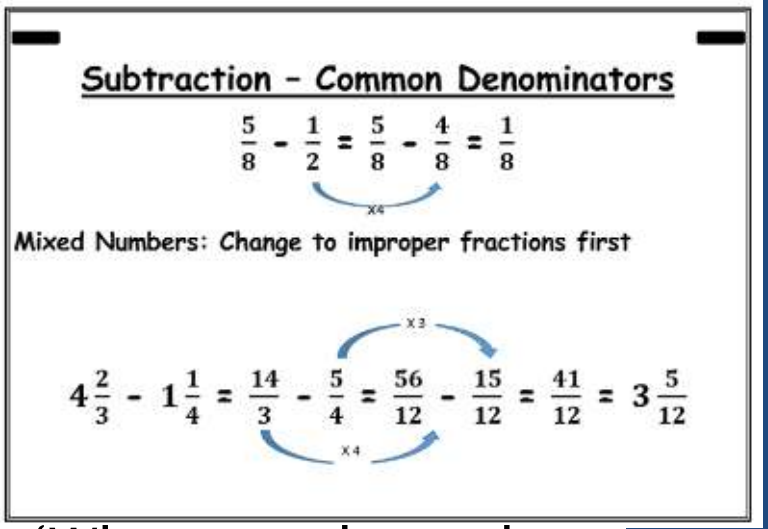
7 0, 8 4

'Groups of'

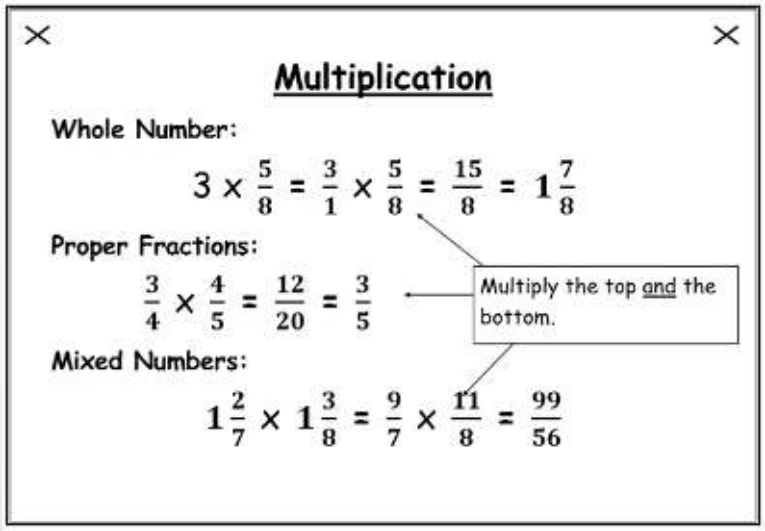
FRACTIONS FOUR RULES OF NUMBER



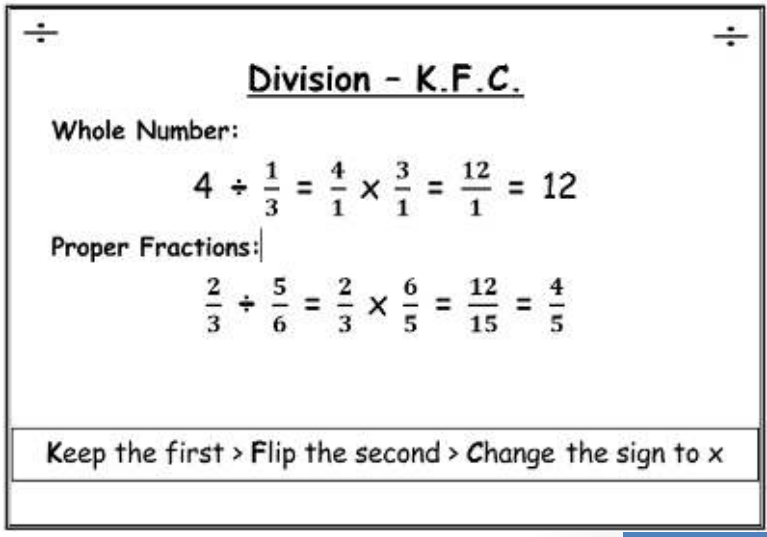
'What you do to the top, you do to the bottom'



'What you do to the top, you do to the bottom'



'Just multiply'



Cross-cancelling is taught in year 8