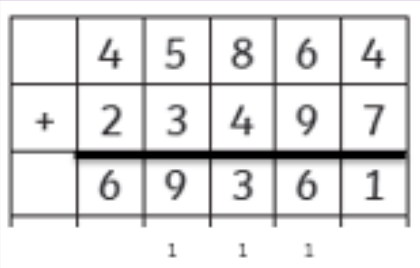
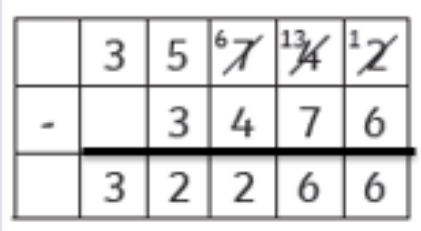
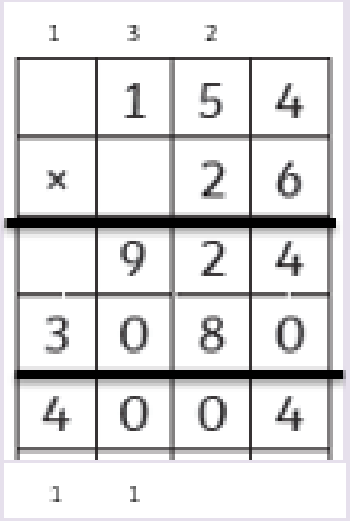


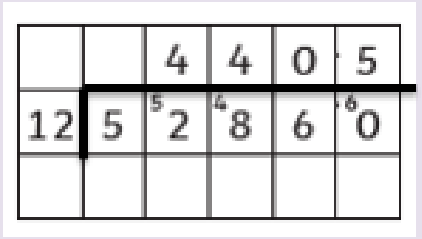
	4	5	8	6	4
+	2	3	4	9	7
	6	9	3	6	1
		1	1	1	



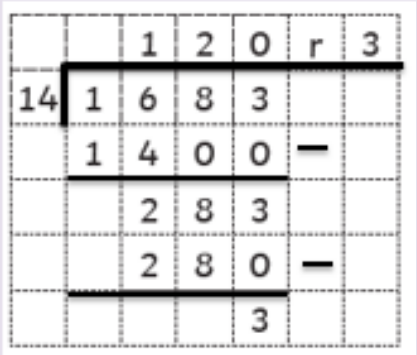
	3	5	~~7~~ 6	~~14~~ 13	~~2~~ 12
-		3	4	7	6
	3	2	2	6	6



	1	5	4
x		2	6
	9	2	4
3	0	8	0
4	0	0	4
	1	1	



		4	4	0	5	
12	5	~~5~~ 2	~~4~~ 8	6	~~6~~ 0	



		1	2	0	r	3
14	1	6	8	3		
	1	4	0	0	–	
		2	8	3		
		2	8	0	–	
				3		

B	**B**rackets	Complete anything in brackets first	**10 x (4 + 2) =** **10 x 6 = 16**
O	**O**rders	Squares, cubes, square roots	**5 + 3^2 =** **5 + 9 = 14**
D	**D**ivision	Next do division and multiplication (if there are both, complete left to right)	**10 + 6 ÷ 2 =** **10 + 3 = 13**
M	**M**ultiplication		**10 – 4 x 2 =** **10 - 8 = 2**
A	**A**ddition	Then do addition and subtraction (if there are both, complete left to right)	**10 x 4 + 7 =** **40 + 7 = 47**
S	**S**ubtraction		**10 ÷ 2 – 3 =** **5 - 3 = 2**

Term	Definition	Example
factor	a number that divides exactly into another number – (helpful to find them in pairs)	factors of 12 are **1** and **12** **2** and **6** **3** and **4**
common factor	factors of two numbers that are the same	Factors of 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48 Factors of 30: 1, 2, 3, 5, 6, 10, 15, 30 Common factors are 1, 2, 3, 6
prime number	a number with only 2 factors: 1 and itself	2, 3, 5, 7, 11, 13, 17, 19…
composite number	a number with more than two factors	20 is composite factors are 1, 20 2, 10 4, 5
prime factor	a factor that is prime	Factors of 10 are 1, 10 2,5 these are prime factors
multiple	the result of multiplying a number by an integer	Multiples of 7 are 7, 14, 21, 28 …
common multiple	multiples of two numbers that are the same	Multiples of 3: 3, …, 18, 21, 24, …, 39, 42 Multiples of 7: 7, 14, 21, 28, 35, 42 Common multiples are 21 42 …
square numbers	the result when a number has been multiplied by itself	25 (5^2 = 5x5) 49 (7^2 = 7x7)
cube numbers	the result when a number has been multiplied by itself 3 times	8 (2^3 = 2x2x2) 27 (3^3 = 3x3x3)