

Column Subtraction of 4-digit numbers with exchanging

e.g. $6192 - 3345$

Step 1: 5 is bigger than 2, so we exchange 1 Ten for 10 Ones, which gives us 12 Ones altogether

TH	H	T	O	
		9 8	¹ 2	
6	1	9	¹ 2	$12 - 5 =$
-	3	3	4	7
				7

Step 2: Because we exchanged, we are left with 8 Tens - 4 Tens = 4 Tens

TH	H	T	O	
		8 8	¹ 2	
6	1	8	¹ 2	
-	3	3	4	
				47

Step 3: 3 Hundred is bigger than 1 Hundred, so we exchange 1 Thousand for 10 Hundreds, which gives us 11 Hundreds altogether

TH	H	T	O	
	5 5	8 8	¹ 2	11 Hundreds
6	1 1	8	¹ 2	3 Hundreds
-	3	3	4	8 Hundreds
				847

Step 4: Because we exchanged, we are left with 5 Thousands - 3 Thousands = 2 Thousands

TH	H	T	O	
5 5		8 8	¹ 2	
5	1 1	8	¹ 2	
-	3	3	4	
				2847