а	b	r	work it out
39	24	0	
24	15	15	39 % 24 = 15
15	9	9	24 % 15 = 9
9	6	6	15 % 9 = 6
6	3	3	9 % 6 = 3
3	0	0	6 % 3 = 0
	39 24 15 9	39 24 24 15 15 9 9 6	39 24 0   24 15 15   15 9 9   9 6 6

returns 0?? Chould return 3.

The while will check the value of r, then if condition is met, loop will end and return b will return a value of 3.