1010 is binary for 10

0101 is binary for 5

1010*0101:

				1	0	1	0	
			*	0	1	0	1	
1)				1	0	1	0	
2)			0	0	0	0	Х	
3)		1	0	1	0	X	Х	
4)	=	1	1	0	0	1	0	

STEPS EXPLAINED:

- 1) We multiply 1010 by the first number of 0101: 1*1010 = 1010
- 2) We multiply 1010 by the second number of 0101: 0*1010 = 0000
- 3) We multiply 1010 by the third number of 00101: 1*1010 = 1010
- 4) We add them up and we get: 110010

= 50

Normal Division:

Let pose 8 dividing 128:

			0	1	6		
	8		1	2	8		
1) 1 < 8 => 0		¦	- 0				
2) 1 & 2 go down			1	2			
3) 12 > 8 4) 12 - 8 = 4		- 		1*8			
5) 4 & 8 go down		į	=	4			
6) 48 – 6*8 = 0		 		4	8		
		i	-		6*8		
					0		
Binary Division:		'			Ü		
		0	0	0	1	1	1
101010 is binary for 42		U	0	0	1	1	1
000110 is binary for 6							
110 1 0	1 I	0	1	0			
1) 1 < 110 => 0		- 0					
2) write 0 above 1, remainder is 1		1					
3) 1 & 0 go down we get 10 3) 10 < 110 => 0		1 - 0	0				
4) write 0 above 0	į						
5) 101 go down 6) 101 < 110 => 0	1	1 - 0	0	1			
7) 1010 go down							
8) 1010 > 110 0) 0.0-0:11 - 0:01 - 1:1ramaindar		1	0 ²	1	0		
9) 0-0=0; 1-1 = 0; 0-1 = 1+1remainder 10) 1-1remainder=0	-	2	1	1	0		
11) We write 1 above							
12) 1 goes down 13) 1001 > 110	=	0	1	0	0		
14) 1-0 = 1; 0-1=move left	i		1	0	0	1	
15) 0 goes down		-		1	1	0	
16) 110 – 110 = 0 12) We write 1 above		=	0	0	1	1	·
					_		
	1			_	1 1	1 1	0 0
42/6 = 7							
	1				0	0	0