

## Homework

### Calculating Binary

#### On - Off - On - Off

Computers use decimal numbers to process information.

They use "On" and "Off" represented by the binary numbers 0 and 1.

11101 = 1 ten-thousand + 1 thousand + 1 hundred + 0 tens + 1 unit in binary numbers.

11101 = 1 sixteen + 1 eight + 1 four + 0 twos + 1 unit which is the number 29 in decimal.

Can you change these binary numbers into decimal?		
Question	Number to convert	Answer
1	100 = (1 four + 0 twos + 0 units)	
2	110 =	
3	1001 =	
4	10101 =	
5	11111 =	

Now change these decimal numbers into binary:		
Question	Number to convert	Answer
1.	19	
2.	7	
3.	25	
4.	10	
5.	5	