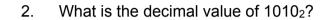
Data Representation Worksheet

1.	What symbols can we use to express values in binary?
	and

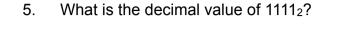


0							
128	64	32	16	8	4	2	1

3. Complete the diagram below down so that it shows 74₁₀.

128	64	32	16	8	4	2	1
0	1	_	_	_	_	_	_

4. What is the decimal value of 00101101₂?



6. What is the binary value of 18AF₁₆?

7. What is the value of 10001010_{2TC} ?

-128							
1	0	0	0	1	0	1	0

8. What is the value of 118₁₀ in a signed magnitude binary?

(Hint: Read the question... are you sure you're right?)