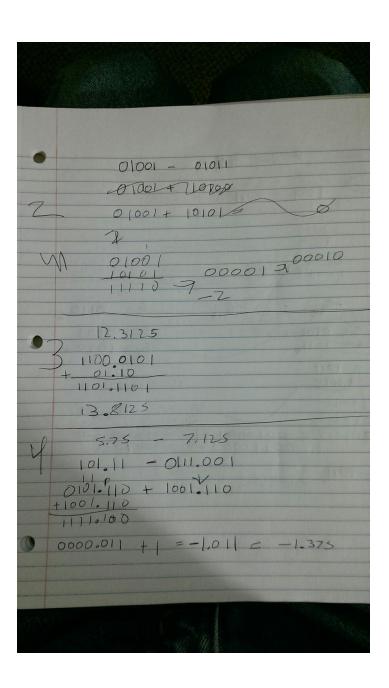
## Daniel Bishop 10/10/2015

Problem	Operation	To Binary	Answer in Binary	Answer in Decimal
1	$91_{10} + C6_{16}$	$01011011_2 + 11000110_2$	1001000012	289 <sub>10</sub>
2	11 <sub>8</sub> - 11 <sub>10</sub>	01001 <sub>2</sub> - 01011 <sub>2</sub>	11110 <sub>2</sub> (2's complement)	-2 <sub>10</sub>
3	12.3125 <sub>10</sub> + 0110 <sub>12Q2</sub>	$11000101_{U4Q4} + \\ 0110_{U2Q2}$	11011101 <sub>U4Q4</sub>	13.8125 <sub>10</sub>
4	5.75 <sub>10</sub> - 7.125 <sub>10</sub>	0101110 <sub>U4Q3</sub> - 0111001 <sub>U4Q3</sub>	0011 <sub>IIQ3</sub>	-1.375 <sub>10</sub>
5	9 <sub>10</sub> * 3 <sub>10</sub>	1001 <sub>2</sub> * 0011 <sub>2</sub>	110112	27 <sub>10</sub>
6	-5 <sub>10</sub> * -6 <sub>16</sub>	1111 1011 <sub>2</sub> * (sign extend) 1111 1010 <sub>2</sub>	000111102	3010
7	9.5 <sub>10</sub> * 2.625 <sub>10</sub>	1001100 <sub>U4Q3</sub> * 10101 <sub>U2Q3</sub>	110001111 <sub>U5Q4</sub>	24.9375 <sub>10</sub>
8	-1.25 <sub>10</sub> * 3.5 <sub>10</sub>	1111 111011 <sub>18Q2</sub> * 0000 001110 <sub>18Q2</sub>	1011101 <sub>I4Q3</sub>	-4.375 <sub>10</sub>

Scratch Work Below



	498.80		18/1/14			
						-)-
7 9	2	10	- 1			
9	, 3	667817		Jan 19		
1001						
1001						
x 001]						
1001				BOLLE		
11011	= 27					
-5,0		6 16		6 =	01102	
5= 0101-				823	2101	- >
5= 10112			/-	625	1910	)
1011					~ 1	
1010				1-1-94	45 11 14	
110110				FIRE		
1000	5015		-100	12013	7 - 10	
100110=	00110	0001+1	= 00 H	0000	=	
101		1501	40.5	- 11	114	
TON		6171			Parties	
					10000	
					-	-
		41040				0
	11					1/18

•	
	6 6 000
	0 5=0101 6=0110 6=001+1=1010
	-5=1010+1=1011 Sign extended
	V 1010 X 1111 1011
	10110 11111011
	00000 111110111
	1101119
	11111011 (www.)
3	
7	9.5, 2625,0
/	1001.100.0010.101
1	0001 X 0010.100
9	1001100
	1001100
	11000.111100 = 24.9375
3	THE RESERVE TO SERVE THE PARTY OF THE PARTY

