Rushma Boonet thap 9

Quiz

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	5.75	25	75	
Binary	101.110	221	60	
MUHPY BY	63/64 = 0.984 0.984 x 2 = 1.968 0.968 x 2 = 1.936 0.936 x 2 = 1.872 0.872 x 2 = 1.774 9.8125	0.774x2=1.488 0.488x2=0.976 0.976x2=1.952 0.952x2=1.904 2.91 2.411 2.10	$0.904 \times 2 = 1.808$ $0.808 \times 2 = 1.6$ $= 1.6$ $= 1.6$ $= 1.6250$ $= 1.250$ $= 1.50$	513 0-1111101111
(2)	34890625		10	
	100010.111001 $1.00010.111001 \times 25$ 6x = 5 + 127 = 13		2 34 2 3 1 2 3 1 2 3 2 0 3 2 0 3 2 0 3 2 0 3 2 3 3 3 3 3 3 3 3	890625 1781250 156250
100 M	57 tue 50 100 = 10000100	2/32/ 2/66/05/ 2/83/0 2/16/1	10	0250
	+ 86:+ [0] [10000100] 5 Rexponent	23 bit 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0	

16+ 8 bits To convert binary to decimal value we use the step where we see sign o is positive and if there was I the Sign would be negative, we move the decimal value to left untill we get last single bit the number will represent the Exponents. Then we have to add to the byap for lex (any exp + 127) and we convert it to decimal the lest will be mantissa. H) Floating point representation E'= Biased Exponent (E= E+ Bias) M= Mantissa (Normalization) A ploating point number is denormalized if the exponent field contains all o's a fraction field doern't have o In that cape we Just assume exponent to be the smallest value of don't assume 1 at manting Smallq+ mantissa = 1.0000 [0/0000 | 111]

Smallest positive normalize number & largest positive denormalized number that represent IEEE 754 Single precision floating. smallest representative largest representative It 195 negative number positive number (10000000) 2-7= 128 Mere bit pattern (0000 0000) 295222220 12876432 16 8 9 2 11 311