

Binary, Oct, Hex Quiz Work

Wednesday, April 22, 2020 11:14 AM

1. A=11 B=12 C=13 D=14

$$14 \times 16^0 = 14$$

$$13 \times 16^1 = 208$$

$$12 \times 16^2 = 3072$$

$$11 \times 16^3 = 45056$$

$$45056 + 3072 + 208 + 14 = 48350$$

2.	1	2	3	4	5	6	7	8	9	Hex
0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	bin
	0	1	2	3	4	5	6	7	10	11
	A	B	C	D	E	F				oct
	1010	1011	1100	1101	1110	1111				
	12	13	14	15	16	17				

1010101111001101

3. 12131415

4. 9FA51

5. 4571

$$6. 12459 / 16 = 778 R 11$$

$$778 / 16 = 48 R 10$$

$$48 / 16 = 3 R 0$$

$$3 / 16 = 0 R 3$$

30AB

$$7. 1342 / 2 = 671 R 0$$

$$671 / 2 = 335 R 1$$

$$335 / 2 = 167 R 1$$

$$167 / 2 = 83 R 1$$

$$83 / 2 = 41 R 1$$

$$41 / 2$$