SACRED HEART SCHOOL

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Website: http://www.sacredheartkoderma.org/

Computer

Class – VII (24-April-2020)

NUMBER SYSTEM

- In previous class we have learnt about Number System, how to change decimal number system into binary number system with some examples.
- Here, two youtube links are given to you. **1st for understanding the concept of changing decimal number system into binary number system** and **2nd for understanding Number system from starting.**

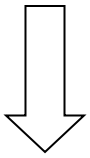
  1st Link: https://youtu.be/VRNc6uyHhys

  2nd Link: https://www.khanacademy.org/math/algebra-home/alg-intro-to-algebra/algebra-alternate-number-bases/v/number-systems-introduction

- **Change the following decimal numbers into binary number:**
  (i) 25 (ii) 38 (iii) 169 (iv)15 (v) 69
- **Change the following Binary numbers into Decimal number:**
  (i) 100011 (ii) 10000 (iii) 10110011 (iv) 1010101 (v) 10001111

(Note: Do in fair copy)

Notes (24-04-2020)



Changing into From decimal no. into Binary no!

$(25)_{10} = (\quad)_2$

2	25	
2	12	1
2	6	0
2	3	0
	1	1

Quott.

Remainder

2) 25 (12
24
X 1

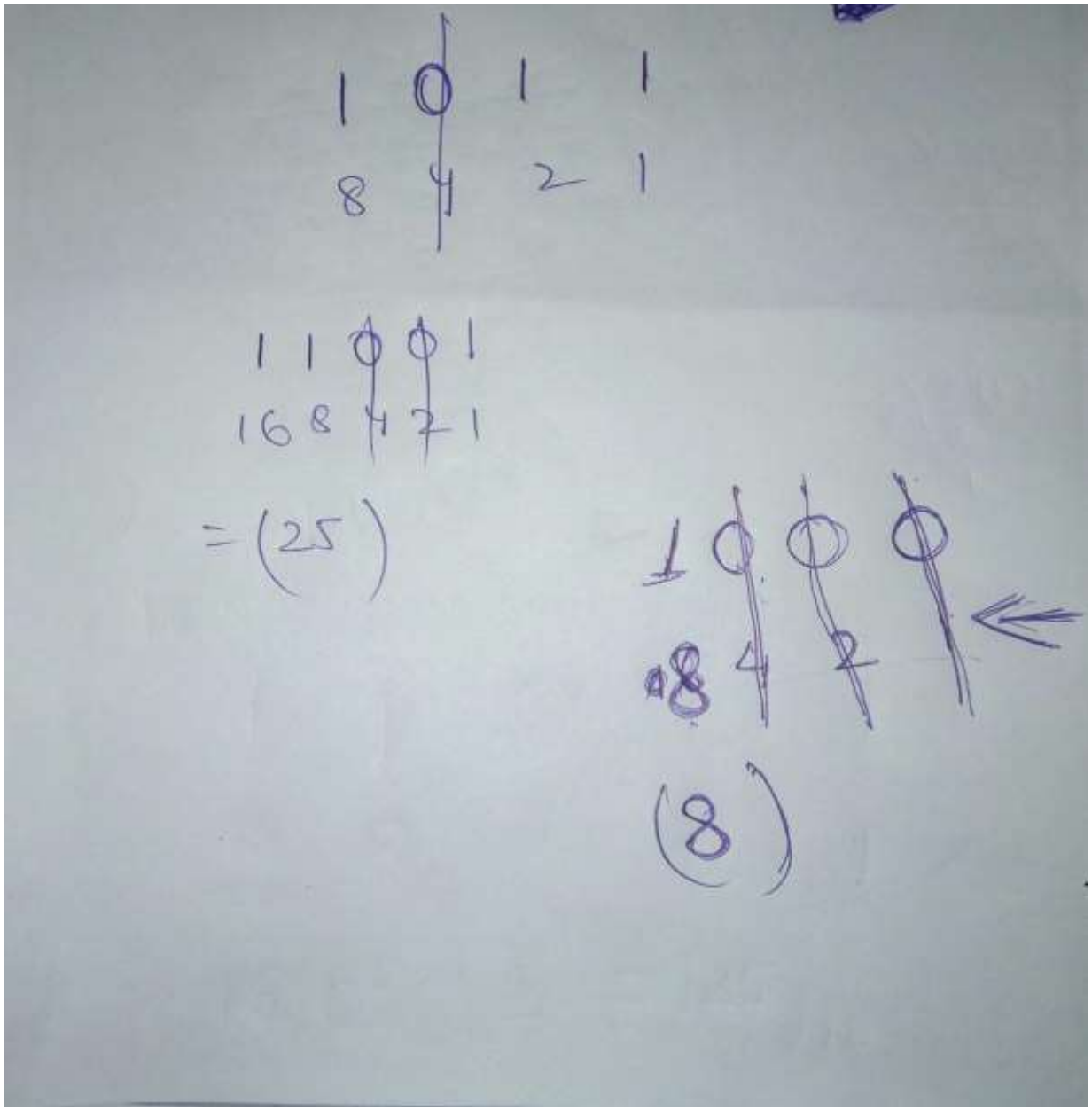
2) 3 (1
2
1

11001_2

Check

1	1	0	0	1
16	8	4	2	1

$16 + 8 + 1 = (25)_{10}$


1 0 1 1
8 4 2 1
1 1 0 0 1
16 8 4 2 1
= (25)
1 0 0 0
8 4 2
(8)