

LESSON 4 BINARY TO DECIMAL PUZZLE

Name _____

Directions: Look at the clues, each table contains a binary number that needs converted to decimal notation. One response will be left off on the table and that will be the correct answer. To find the correct number, cross out the answer to each clue in the square that is accounted for. Your answer will be the number that is left.

512	256	128	64	32	16	8	4	2	1
1	1	1	1	1	1	1	1	1	1

3	17	12
8	11	15
16	24	13

1) It's not 1000 or 1100
 It's not 0011 or 1111
 It's not 10000 or 1110
 It's not 10001 or 11000

What is the number? _____

12	10	13
33	5	32
9		11

2) It's not 1010 or 1011
 It's not 0110 or 1111
 It's not 1001 or 1100
 It's not 10000 or 100001

What is the number? _____

128	20	4
30	65	74
35	15	256

3) It's not 10000000 or 10000000
 It's not 00000100 or 01001010
 It's not 00010100 or 01000001
 It's not 000001111 or 00100011

What is the number? _____

157	225	64
147	17	207
191	34	31

4) It's not 00010001 or 10011101
 It's not 01000000 or 00011111
 It's not 11001111 or 10111111
 It's not 100010 or 10010011

What is the number? _____