

4. Fill in the two tables

DECIMAL TO BINARY

41	101001
30	11110
5	101
10	1010
99	1100011
123	1111011
244	11110100
13	1101
78	
143	
94	
58	
190	
202	
6	

BINARY TO DECIMAL

1111	15
1101	13
100101	1+4+32=37
10	2
00111100	4+8+16+32=60
100	4
110	6
11111101	1+4+8+32+64+128=237
1000100	
100001	
11010	
10101011	
10011001	
1110111	
11111	

Try to work out these coded numbers:

= 9  
 (✓=1, ✗=0)

= 5  
 (↑=1, ↓=0)

= 0  
 (●=1, ○=0)

= 2  
 (↑=1, ↓=0)

= 0  
 (☺=1, ☹=0)

= 10  
 (◇=1, ♠=0)

= 13  
 (+=1, x=0)

= 17  
 (U=1, ∩=0)

= 20  
 (▲=1, ▼=0)

= 31  
 (♠=1, ♣=0)

5.

ANSWERS

Name(s) \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_


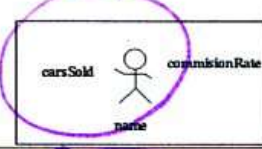
Decimal - Binary Practice


C O  
D E



1. Define 'abstraction'.

2. Circle which is *most* abstract in each case:

A. Your foot or the phrase "five toes"?

B.  

C.  "a picture of three airplanes"

D.  

3. Based on 2(B) above, create a LESS abstract version of this: 😊

