

Hexadecimal to denary conversion – SHOW YOUR WORKING OUT!

1. Convert the following **hexadecimal** values into **denary**

Example: **5A**

1 - Split the Hex number:

5 A

2 - Convert each digits separately to Binary:

5 = 5

8	4	2	1
0	1	0	1

A = 10

8	4	2	1
1	0	1	0

Then - Put the nibbles together and convert to denary

128	64	32	16	8	4	2	1
0	1	0	1	1	0	1	0

Answer = 90

- a) AA
- b) 4F
- c) E1
- d) 12
- e) 56
- f) 9F
- g) FF

Hexadecimal to denary conversion – SHOW YOUR WORKING OUT!

2. Convert the following **decimal** values into **hexadecimal**.

Example: 92

1 – Convert 92 to binary

2 – Split the 8 byte binary number into 2 nibbles

3- Convert the 2 nibbles to 2 Hexadecimal numbers

4 – Combine the answers to give the Hexadecimal number

a) 200

b) 15

c) 91

d) 73

e) 101

f) 255

g) 4