

Test 1 = 01

Group 6B

Exo 1 Convert the following number.

$$(26.5)_8 = (22, 625)_{10} \quad (2)$$

$$= (010 \ 110, 101)_2 \quad (2)$$

Exo 2 Carry out the following operation

$$(5DC2, A)_{15} - (353, 2)_{15} = (5A65, 8)_{15} \quad (2)_{15}$$

$$(EB2, 3)_{14} \times (5, 2)_{14} = (16 \ 1B5, 56)_{14} \quad (2)_{14}$$

$$(323/13)_4 = (20 \text{ rest } 3)_{4} \quad (2)$$

$$\begin{array}{r} 323 \\ 13 \overline{) 323} \\ \underline{32} \\ 03 \end{array}$$

$$13 \times 0 = 0$$

$$13 \times 1 = 13$$

$$13 \times 2 = 32$$

$$13 \times 3 = 111$$

Test n: 1

Group 7B

Exo 1 = convert the following number:

$$(16, A)_{16} = (00010110, 1010)_2 \quad (2)$$
$$= (22, 625)_{10} \quad (2)$$

Exo 2 carry out the following operation

$$(85A, 1)_{12} - (457, A)_{12} = (702, 3)_{12} \quad (2)$$

$$(25B, 2)_{12} \times (12, 1)_{12} = (2B16, 32)_{12} \quad (2)$$

$$(403/12)_5 = (24 \text{ rest } 10)_5 \quad (2)$$

$$\begin{array}{r|l} 4103 & 12 \\ \hline 24 & \\ \hline 113 & 24 \\ -103 & \\ \hline 010 & \end{array}$$

$$\begin{array}{l} 12 \times 0 = 0 \\ 12 \times 1 = 12 \\ 12 \times 2 = 24 \\ 12 \times 3 = 36 \\ 12 \times 4 = 48 \end{array}$$

Test 1

Group 5A

Exo 1 convert the following number

$$(43, 22)_5 = (23, 48)_{10} \quad (2)$$
$$= (17, 7AE1)_{16} \quad (2)$$

Exo 2 Carry out the following operations

$$(3CB8, 1)_{13} - (A9, 11)_{13} = (3C0B, CC)_{13} \quad (2)$$

$$(5CA)_{15} \times (15, 1)_{15} = (7C42, A)_{15} \quad (2)$$

$$(1011, 01 / 10, 1)_2 = (100, 1)_2 \quad (2)$$

$$\begin{array}{r|l} 101101 & 1010 \\ -1010 & \\ \hline 000101 & 1001 \end{array}$$