*Adrián Santiago Parra Sanabria*

**Taller 8**

1. Convierta a base 16 los siguientes números:
2. 611

|  |  |  |  |
| --- | --- | --- | --- |
| Número/16 | 611 | 38 | **2** |
| Residuo |  | **3** | **6** |

Rta: 263

1. 48

|  |  |  |
| --- | --- | --- |
| Número/16 | 48 | 3 |
| Residuo |  | **0** |

Rta: 30

1. 5000

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Número/16 | 5000 | 312 | 19 | 1 | **0** |
| Residuo |  | **8** | **8** | **3** | **1** |

Rta: 1388

1. 6199

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Número/16 | 6199 | 387 | 24 | 1 | **0** |
| Residuo |  | **7** | **8** | **8** | **1** |

Rta: 1837

1. Convertir a base 10 los siguientes números en base 8:
2. 500

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Número*x*8Posicion🡨 | 5x82 | 0x81 | 0x80 | Sumatoria |
| Resultado | 320 | 0 | 0 | **320** |

Rta: 320

1. 485

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Número*x*8Posicion🡨 | 4x82 | **8x81** | 5x80 | Sumatoria |
| Resultado | **No es un número en base 8** | | | |

1. 5445

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Número*x*8Posicion🡨 | 5x83 | 4x82 | 4x81 | 5x80 | Sumatoria |
| Resultado | 2560 | 256 | 32 | 5 | **2856** |

Rta: 2856

1. 277

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Número*x*8Posicion🡨 | 2x82 | 7x81 | 7x80 | Sumatoria |
| Resultado | 128 | 56 | 7 | **191** |

Rta: 191

1. Realizar las siguientes operaciones utilizando una notación de punto flotante en base 10 con un dígito para el signo del número, 4 dígitos para el exponente con signo y 7 dígitos para el valor absoluto del número:
2. 75.202,53 + 0,009997

|  |  |
| --- | --- |
|  | 75202,53 |
|  | 0,009997 |
|  | 75202,539997 |
| Resultado | **0,7520254 x105** |

1. 533,075 - 38.611,007

|  |  |
| --- | --- |
|  | 533,075 |
|  | 38.611,007 |
|  | -38077,932 |
| Resultado | **-0,3807793 x105** |

1. 0,38654 \* 0,00012097

|  |  |
| --- | --- |
|  | 0,38654 |
|  | 0,00012097 |
|  | 4,675974438 x10-5 |
| Resultado | **0,4675974 x10-6** |

1. 37,86093 / 0,000103862

|  |  |
| --- | --- |
|  | 37,86093 |
|  | 0,000103862 |
|  | 364531,1086 |
| Resultado | **0,3645312 x106** |