**Convert the following numbers from base 10 into base 2**

21 \_\_\_\_\_\_\_\_\_

119 \_\_\_\_\_\_\_\_\_

47 \_\_\_\_\_\_\_\_\_

178 \_\_\_\_\_\_\_\_\_

**Convert from base 2 to base 10**

0000 1001 \_\_\_\_\_\_\_\_\_

0110 1011 \_\_\_\_\_\_\_\_\_

1001 1001 \_\_\_\_\_\_\_\_\_

1010 1010 \_\_\_\_\_\_\_\_\_

**Convert from base 16 to base 10**

C4 \_\_\_\_\_\_\_\_\_

13B \_\_\_\_\_\_\_\_\_

**Use the ASCII table to fill in the following blanks:**

|  |  |  |
| --- | --- | --- |
| **Character** | **Decimal Number** | **Binary Number** |
| Z |  |  |
|  | 33 |  |

**Fill in the chart for the following data types:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Type** | **What it stores:** | **# of Bits** | **Example** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**New Processing Methods:**

|  |  |
| --- | --- |
| Name: | Description |
|  |  |
|  |  |
|  |  |
|  |  |