CS 110 Number System Conversion Worksheet

DECIMAL TO BINARY    BINARY TO DECIMAL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 41 |  |  | 1111 |  |
| 30 |  | 1101 |  |
| 5 |  | 100101 |  |
| 10 |  | 10 |  |
| 99 |  | 00111100 |  |
| 123 |  | 100 |  |
| 244 |  | 110 |  |
| 13 |  | 11111101 |  |
| 78 |  | 1000100 |  |
| 143 |  | 100001 |  |
| 94 |  | 11010 |  |
| 58 |  | 10101011 |  |
| 190 |  | 10011001 |  |
| 202 |  | 1110111 |  |
| 6 |  | 11111 |  |

|  |  |
| --- | --- |
| 54 |  |
| 33 |  |
| 25 |  |
| 10 |  |
| 199 |  |
| 3 |  |
| 244 |  |
| 113 |  |
| 78 |  |
| 255 |  |
| 111 |  |

|  |  |
| --- | --- |
| 366 |  |
| 70 |  |
| 217 |  |
| 5 |  |
| 317 |  |
| 57 |  |
| 37 |  |
| 126 |  |
| 161 |  |
| 307 |  |

DECIMAL  TO  OCTAL OCTAL TO DECIMAL

|  |  |
| --- | --- |
| 154 |  |
| 2 |  |
| 25 |  |
| 32 |  |
| 99 |  |
| 83 |  |
| 244 |  |
| 13 |  |
| 78 |  |
| 111 |  |
| 255 |  |

|  |  |
| --- | --- |
| 0A |  |
| 21 |  |
| 1F |  |
| 2B |  |
| 5D |  |
| D4 |  |
| 32 |  |
| 64 |  |
| 83 |  |
| AE |  |
| FF |  |

DECIMAL TO HEXADECIMAL        HEXADECIMAL TO DECIMAL