Task 2

1. 10059

|  |  |  |
| --- | --- | --- |
| Division | Quotient | Remainder |
| 10059/2 | 5029 | 1 |
| 5029/2 | 2514 | 1 |
| 2514/2 | 1257 | 0 |
| 1257/2 | 628 | 1 |
| 628/2 | 314 | 0 |
| 314/2 | 157 | 0 |
| 157/2 | 78 | 1 |
| 78/2 | 39 | 0 |
| 39/2 | 19 | 1 |
| 19/2 | 9 | 1 |
| 9/2 | 4 | 1 |
| 4/2 | 2 | 0 |
| 2/2 | 1 | 0 |
| 1/2 | 0 | 1 |

10011101001011 – is the binary value of 10059

|  |  |  |
| --- | --- | --- |
| Division | Quotient | Remainder |
| 10059/16 | 628 | 11 - B |
| 628/16 | 39 | 4 |
| 39/16 | 2 | 7 |
| 2/16 | 0 | 2 |

274B – is the hexadecimal value of 10059

1. 99999 – 11000011010011111 + 10011101001011 = 11010110111101010

11000011010011111 – 10011101001011 = 10101111101010100

1. Hexadecimal numbers are widely used nowadays. For example, in representation of Media Access Control or MAC address. In naming of colors, especially in web pages.