Вариант №12

№1

830, 375(10)

**830,375(10) → 1100111110,011 (2)**

|  |  |  |
| --- | --- | --- |
| Деление | Частное | Остаток |
| 830/2 | 415 | 0 |
| 415/2 | 207 | 1 |
| 207/2 | 103 | 1 |
| 103/2 | 51 | 1 |
| 51/2 | 25 | 1 |
| 25/2 | 12 | 1 |
| 12/2 | 6 | 0 |
| 6/2 | 3 | 0 |
| 3/2 | 1 | 1 |

0,375 \* 2 = 0,750

0,75 \* 2 = 1,5

0,5 \* 2 = 1

**830,375 (10) → 1476,3(8)**

|  |  |  |
| --- | --- | --- |
| Деление | Частное | Остаток |
| 830/8 | 103 | 6 |
| 103/8 | 12 | 7 |
| 12/8 | 1 | 4 |

0,375 \* 8 = 3,000

**830,375 (10) → 33E,6(16)**

|  |  |  |
| --- | --- | --- |
| Деление | Частное | Остаток |
| 830/16 | 51 | 14 |
| 51/16 | 3 | 3 |

0,375 \* 16 = 6,000

№2

11010101,1001(2), 1634,5(8), C2,3(16)

**11010101,1001(2) → 213,5625(10)**

1 \* 27 + 1 \* 26 + 0 \* 25 + 1 \* 24 + 0 \* 23 + 1 \* 22 + 0 \* 21 + 1 \* 20 + 1 \* 2-1 + 0 \* 2-2 + 0 \* 2-3 + 1 \* 2-4 = 213,5625

**1634,5(8) → 924,625 (10)**

1 \* 83 + 6 \* 82 + 3 \* 81 + 4 \* 80 + 5 \* 8-1 = 924,625

**C2,3(16) → 194,1875 (10)**

12 \* 161 + 2 \* 160 + 3 \*16-1 = 194,1875

№3, 4, 5

100110010,011(2), 110001000,011(2)

**100110010,011(2) + 110001000,011(2) = 1010111010,11(2)**

100110010,011(2)

+

110001000,011(2)

1010111010,110(2)

**110001000,011(2) - 100110010,011(2) = 1010110(2)**

110001000,011(2)

-

100110010,011(2)

001010110,000(2)

**110001000,011(2) \* 100110010,011(2) = 11101010110010101,111001(2)**

110001000,011(2)

\*

100110010,011(2)

110001000011

110001000011

110001000011

110001000011

110001000011

110001000011

11101010110010101,111001