Task № 1:

9710 = 11000012

9710 = 1418

9710 = 6116

Decimal to binary 97:2 = 48|1 48:2 = 24|0 24:2=12|0 12:2=6|0 6:2=3|0 3:2 = 1|1

1100001

Decimal to octal 97:8=12|1 12:8 =4|1

141

Decimal to hexadecimal 97:16 = 6|1

61

Binary to decimal

1\*26+1\*25+1 = 97

Octal to decimal

1\*82+4\*81+1 = 97

Hexadecimal to decimal

6\*161+1 = 97

Task № 2:

11510=11100112

1b = 0111\_0011

2b = 0000\_0000\_0111\_0011

4b = 0000\_0000\_0000\_0000\_0000\_0000\_0111\_0011

8b = 0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0000\_0111\_0011

Task № 3:

-11510=1000 11012

1b = 1000\_1101

2b = 1111\_1111\_1000\_1101

4b = 1111\_1111\_1111\_1111\_1111\_1111\_1000\_1101

8b = 1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1000\_1101

-110=012

1b = 1111\_1111

2b = 1111\_1111\_1111\_1111

4b = 1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111

8b = 1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111\_1111

Task №4:

1010102 + 1001112 = 10100012;

7658+2348 = 12218;

CAFÉ16+BABE16 = 185BC;

Task №5:

100002 – 102 = 11102

4568 – 3678 = 678

ABABE16 – CAFÉ16  = 9EFC016