Binary, Decimal, Hexadecimal Conversion Exercises
http://east82.com/

Binary to decimal

1. 11001011-203   2. 00110101-53   3. 10000011-131   4. 10001111-143   5. 11100011-227   6. 00000100-4   7. 00010010-18   8. 00111111-65   9. 10101010-170 10.01010101 -85

Decimal to binary

1. 213
2. 9
3. 67
4. 99
5. 23
6. 143
7. 6
8. 1
9. 197
10.252

Binary to hex

1. 11001100   2. 11110001   3. 00110001
4. 11000010   5. 10100100   6. 10100111
7. 11101100   8. 11111100   9. 00111111
10.00000011

Hex to binary

1. 0x45
2. 0xFA
3. 0x5D
4. 0x99
5. 0x03
6. 0x6B
7. 0xDD
8. 0xFE
9. 0x22
10.0x18

Decimal to hex

1. 233
2. 21
3. 9
4. 75
5. 188
6. 56
7. 4
8. 121
9. 94
10. 201

Hex to decimal

1. 0x5A-90
2. 0xCC-204
3. 0x97-151
4. 0x40-64
5. 0x07-7
6. 0x3D-61
7. 0xF1
8. 0xFB
9. 0x82
10. 0xE4

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Answers

Binary to decimal

1. 11001011 – 203 2. 00110101 – 53 3. 10000011 – 131 4. 10001111 – 143 5. 11100011 – 227 6. 00000100 – 4
7. 00010010 – 18 8. 00111111 – 63 9. 10101010 – 170 10. 01010101 – 85

Decimal to binary

11. 213 – 11010101 12. 9 – 00001001

1. 67 – 01000011   2. 99 – 01100011   3. 23 –
00010111 4. 143 – 10001111
5. 6 – 00000110
6. 1 – 00000001
7. 197 – 11000101 8. 252 – 11111100

Binary to hex

1. 11001100 – 0xCC 2. 11110001 – 0xF1 3. 00110001
– 0x31   4. 11000010 – 0xC2   5. 10100100 – 0xA4 6.
10100111 – 0xA7 7. 11101100 – 0xEC 8. 11111100 –
0xFC 9. 00111111 – 0x3F 10.00000011 – 0x03

Hex to binary

1. 0x45 – 01000101   2. 0xFA – 11111010 3. 0x5D –
01011101 4. 0x99 – 10011001 5. 0x03 – 00000011 6.
0x6B – 01101011   7. 0xDD – 11011101   8. 0xFE –
11111110
9. 0x22 – 00100010 10.0x18 – 00011000

Decimal to hex

11.233 – 0xE9
1. 21 – 0x15
2. 9 – 0x09
3. 75 – 0x4B
4. 188 – 0xBC
5. 56 – 0x38
6. 4 – 0x04
7. 121 – 0x79
8. 94 – 0x5E
9. 201 – 0xC9

Hex to decimal

1. 0x5A – 90
2. 0xCC – 204
3. 0x97 – 151
4. 0x40 – 64
5. 0x07 – 7
6. 0x3D – 61
7. 0xF1 – 241

8. 0xFB – 251
9. 0x82 – 130
10.0xE4 – 228