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

Binary to decimal

1. 11001011
2. 00110101
3. 10000011
4. 10001111
5. 11100011
6. 00000100
7. 00010010
8. 00111111
9. 10101010
10. 01010101

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 binary

1. 213
2. 9
3. 67
4. 99
5. 23
6. 143
7. 6
8. 1
9. 197
10. 252

Decimal to hex

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

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 decimal

1. 0x5A
2. 0xCC
3. 0x97
4. 0x40
5. 0x07
6. 0x3D
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