



Binary, Decimal, Hexadecimal Conversion Exercises

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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

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 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

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

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 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