| **Name:** | Casanes, Christian | **Subject Code:** |  |
| --- | --- | --- | --- |
| **Topic:** | Binary To Decimal Conversion | **Date:** | 05/10/2024 |

| **128** | **64** | **32** | **16** | **8** | **4** | **2** | **1** | **Answers** | **Scratch Area** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 146 | 128+16+2 = 146 |
| 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 119 | 64+32+16+4+2+1 = 119 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 255 | 128+64+32+16+8+4+2+1=255 |
| 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 197 | 128+64+4+1=197 |
| 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 246 | 128+64+32+16+4+2=246 |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 19 | 16+2+1=19 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 129 | 128+1=129 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 49 | 32+16+1=49 |
| 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 120 | 64+32+16+8=120 |
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 240 | 128+64+32+16=240 |
| 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 59 | 32+16+8+2+1=59 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 7 | 4+2+1=7 |
| 00011011 | | | | | | | | 27 | 16+8+2+1=27 |
| 10101010 | | | | | | | | 170 | 128+32+8+2=170 |
| 01101111 | | | | | | | | 111 | 64+32+8+4+2+1=111 |
| 11111000 | | | | | | | | 248 | 128+64+32+16+8=248 |
| 00100000 | | | | | | | | 32 | 32 |
| 01010101 | | | | | | | | 85 | 64+16+4+1=85 |
| 00111110 | | | | | | | | 62 | 32+16+8+4+2=62 |
| 00000011 | | | | | | | | 3 | 2+1=3 |
| 11101101 | | | | | | | | 237 | 128+64+32+8+4+1=237 |
| 11000000 | | | | | | | | 192 | 128+64=192 |

| **128** | **64** | **32** | **16** | **8** | **4** | **2** | **1** | **= 255** | **Scratch Area** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 238 | 238-128-64-32-8-4-2=0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 34 | 34-32-2=0 |
| 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 123 | 123-64-32-16-8-2-1=0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 50 | 50-32-16-2=0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 255 | 255-128-64-32-16- 8-4-2-1=0 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 200 | 200-128-64-8=0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 10 | 10-8-2=0 |
| 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 138 | 138-128-8-2=0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1-1=0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 13 | 13-8-4-1=0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 250 | 250-128-64-32-16-8-2= 0 |
| 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 107 | 107-64-32-8-2-1=0 |
| 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 224 | 224-128-64-32=0 |
| 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 114 | 114-64-32-16-2=0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 192-128-64=0 |
| 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 172 | 172-128-32-8-4=0 |
| 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 100 | 100-64-32-4=0 |
| 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 119 | 119-64-32-16-4-2-1=0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 57 | 57-32-16-8-1=0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 98 | 98-64-32-2=0 |
| 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 179 | 179-128-32-16-2-1=0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 2-2=0 |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

# Address Class Identification

## Address Class

10.250.1.1 \_\_A\_\_\_

150.10.15.0 \_\_B\_\_\_

192.14.2.0 \_\_C\_\_\_

148.17.9.1 \_\_B\_\_\_

193.42.1.1 \_\_C\_\_\_

126.8.156.0 \_\_A\_\_\_

220.200.23.1 \_\_C\_\_\_

230.230.45.58 \_\_D\_\_\_

177.100.18.4 \_\_B\_\_\_

119.18.45.0 \_\_A\_\_\_

249.240.80.78 \_\_\_C\_\_

199.155.77.56 \_\_\_C\_\_

117.89.56.45 \_\_A\_\_\_

215.45.45.0 \_\_\_C\_\_

199.200.15.0 \_\_C\_\_\_

95.0.21.90 \_\_\_A\_\_

33.0.0.0 \_\_\_A\_\_

158.98.80.0 \_\_B\_\_\_

219.21.56.0 \_\_C\_\_\_







