1) How many binary digits does it take to represent the decimal number 2013?

Solution: Binary of 2013 is 11111011101. It takes 11 binary digits to represent the decimal number 2013.

2) How many bytes does it take to store the binary equivalent of the decimal number 1945?

Solution: 1 byte can hold 8 bits since the binary equivalent of 1945 is 11110011001, it contains a total of 11 bits so it will be needing 2 bytes of storage.

3) Convert this binary number 1010110102 to Decimal.

Solution:  346                              (Please, include just a final number)

4) Convert this binary number 1010110102to Octal.

Solution:  532                              (Please, include just a final number)

5) Show the decimal number 147 in Binary.

Solution:  10010011                               (Please write in 0 and 1)

6) Convert this hexadecimal number 5D316 to Binary.

Solution:   10111010011                              (Please write in 0 and 1)

7) Convert this octal number 12348 to Decimal.

Solution:   668                             (Please include just a final number)