Match the binary numbers on the left with their equivalents on the right.

1. 00010011   255

2. 10010101   18

3. 00010010   240

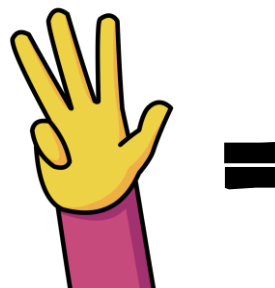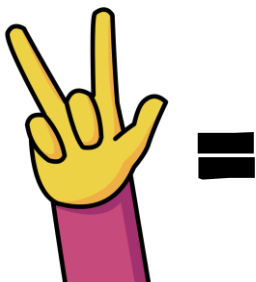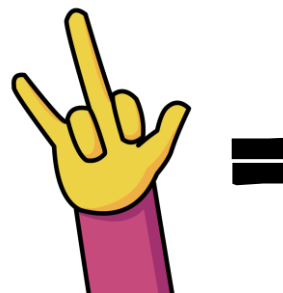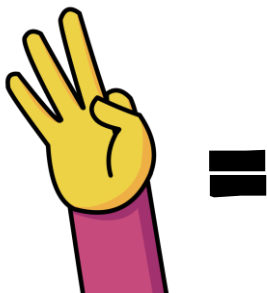4. 11111111   86

5. 00000010   199

6. 11000111   149

7. 01010110   19

8. 11110000   2

Write the letter "F" if the statement is False and the letter "T" if the statement is true!

1. _____ In binary, a 1 is associated with on and a 0 is associated with off.

2. _____ In the modern world, we use a base-10 number system, called decimal.

3. _____ Bitmaps are measured in PPI, which stands for pixels per inch.

4. _____ Bitmaps can only be black and white.

5. _____ When using base notation, the base is written as a superscript. (ex. 10^2)

6. _____ Each digit in hexadecimal represents 4 bits, or 1 byte.

7. _____ When counting in hexadecimal, we need 16 unique characters, so the first 6 letters of the alphabet are used. (A, B, C, D, E, F)

Draw or write binary numbers counting all even numbers from 1 to 10.