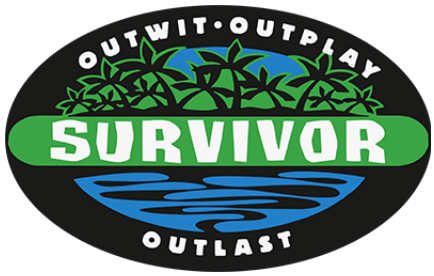
Challenge 1: Number Conversions

Convert the following **8-bit 2's complement** binary (b), decimal (#), or hexadecimal (x) numbers.
Version 1

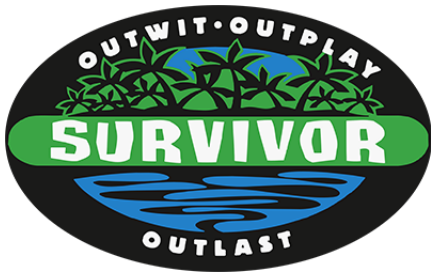
1. **b01001000** → x
2. **#86** → b
3. **x9A** → b → **#**
4. **x7E** → b
5. **b1100 1000** → #
6. **#-28** → b
7. **b0001 1110** → **#**
8. **xFF** → **#**
9. **b11010001** → x



Challenge 1: Number Conversions

Convert the following **8-bit 2's complement** binary (b), decimal (#), or hexadecimal (x) numbers.
Version 2

1. **#64** → x
2. **b01110111** → #
3. **x3C** → b
4. **b10101010** → x
5. **#-32** → b
6. **#111** → b
7. **x1F** → b → #
8. **#92** → x
9. **xB4** → #



Challenge 1: Number Conversions

Convert the following **8-bit 2's complement** binary (b), decimal (#), or hexadecimal (x) numbers.
Version 3

1. **b00100011** → #
2. **x4A** → b
3. **b11011111** → x
4. **#86** → b
5. **#-8** → b
6. **xFE** → b → #
7. **#91** → b → x
8. **#48** → x
9. **x41** → #

Challenge 1:

Number Conversions

- **V1**
  1. **x48**
  2. **b0101 0110**
  3. **#-102**
  4. **b0111 1110**
  5. **#-56**
  6. **b1110 0100**
  7. **#30**
  8. **1111 1111 → # -1**
  9. **xD1**

- **V2**
  1. **x40**
  2. **#119**
  3. **b0011 1100**
  4. **xAA**
  5. **b1110 0000**
  6. **b0110 1111**
  7. **b0001 1111 → #31**
  8. **5C**
  9. **b1011 0100 → #-76**

- **V3**
  1. **#35**
  2. **b0100 1010**
  3. **xDF**
  4. **b0101 0110**
  5. **b1111 1000**
  6. **b1111 1110 → # -2**
  7. **b0101 1011 → x5B**
  8. **x30**
  9. **#65**