

## Converting Binary to Other Bases (A)

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal =

2. Binary = 1010100  
Hexadecimal =

3. Binary = 111001111  
Hexadecimal =

4. Binary = 10010000  
Octal =

5. Binary = 1001110011  
Decimal =

6. Binary = 1110011  
Hexadecimal =

7. Binary = 1000100100  
Hexadecimal =

8. Binary = 111000111  
Decimal =

9. Binary = 10010100111111  
Decimal =

10. Binary = 1100101101111  
Octal =

## Converting Binary to Other Bases (A) Answers

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal = 9

2. Binary = 1010100  
Hexadecimal = 54

3. Binary = 111001111  
Hexadecimal = 1CF

4. Binary = 10010000  
Octal = 220

5. Binary = 1001110011  
Decimal = 627

6. Binary = 1110011  
Hexadecimal = 73

7. Binary = 1000100100  
Hexadecimal = 224

8. Binary = 111000111  
Decimal = 455

9. Binary = 10010100111111  
Decimal = 9535

10. Binary = 1100101101111  
Octal = 14557

## Converting Binary to Other Bases (B)

Write each binary number in the base number system indicated.

1. Binary = 10  
Hexadecimal =

2. Binary = 111011  
Decimal =

3. Binary = 1100001011  
Octal =

4. Binary = 1010000101  
Octal =

5. Binary = 1001100010  
Octal =

6. Binary = 1010000111  
Hexadecimal =

7. Binary = 11110110  
Octal =

8. Binary = 111010001  
Decimal =

9. Binary = 110101000000  
Decimal =

10. Binary = 1000001001100  
Hexadecimal =

## Converting Binary to Other Bases (B) Answers

Write each binary number in the base number system indicated.

1. Binary = 10  
Hexadecimal = 2

2. Binary = 111011  
Decimal = 59

3. Binary = 1100001011  
Octal = 1413

4. Binary = 1010000101  
Octal = 1205

5. Binary = 1001100010  
Octal = 1142

6. Binary = 1010000111  
Hexadecimal = 287

7. Binary = 11110110  
Octal = 366

8. Binary = 111010001  
Decimal = 465

9. Binary = 110101000000  
Decimal = 3392

10. Binary = 1000001001100  
Hexadecimal = 104C

## Converting Binary to Other Bases (C)

Write each binary number in the base number system indicated.

1. Binary = 110  
Decimal =

2. Binary = 1000110  
Decimal =

3. Binary = 1110111001  
Octal =

4. Binary = 100110001  
Decimal =

5. Binary = 1100110001  
Decimal =

6. Binary = 110001000  
Hexadecimal =

7. Binary = 1011010010  
Octal =

8. Binary = 1111011  
Hexadecimal =

9. Binary = 1000111001000  
Octal =

10. Binary = 1001001111000  
Hexadecimal =

## Converting Binary to Other Bases (C) Answers

Write each binary number in the base number system indicated.

1. Binary = 110  
Decimal = 6

2. Binary = 1000110  
Decimal = 70

3. Binary = 1110111001  
Octal = 1671

4. Binary = 100110001  
Decimal = 305

5. Binary = 1100110001  
Decimal = 817

6. Binary = 110001000  
Hexadecimal = 188

7. Binary = 1011010010  
Octal = 1322

8. Binary = 1111011  
Hexadecimal = 7B

9. Binary = 1000111001000  
Octal = 10710

10. Binary = 1001001111000  
Hexadecimal = 1278

## Converting Binary to Other Bases (D)

Write each binary number in the base number system indicated.

1. Binary = 110  
Octal =

2. Binary = 1001010  
Decimal =

3. Binary = 1110101  
Decimal =

4. Binary = 10011110  
Octal =

5. Binary = 111111001  
Hexadecimal =

6. Binary = 1001011111  
Decimal =

7. Binary = 10101111  
Octal =

8. Binary = 111101001  
Octal =

9. Binary = 10000110001000  
Hexadecimal =

10. Binary = 1001101111111  
Decimal =

## Converting Binary to Other Bases (D) Answers

Write each binary number in the base number system indicated.

1. Binary = 110  
Octal = 6

2. Binary = 1001010  
Decimal = 74

3. Binary = 1110101  
Decimal = 117

4. Binary = 10011110  
Octal = 236

5. Binary = 111111001  
Hexadecimal = 1F9

6. Binary = 1001011111  
Decimal = 607

7. Binary = 10101111  
Octal = 257

8. Binary = 111101001  
Octal = 751

9. Binary = 10000110001000  
Hexadecimal = 2188

10. Binary = 1001101111111  
Decimal = 4991



## Converting Binary to Other Bases (E)

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal =

2. Binary = 1001110  
Octal =

3. Binary = 101101010  
Octal =

4. Binary = 1111010111  
Hexadecimal =

5. Binary = 10101101  
Hexadecimal =

6. Binary = 111111100  
Hexadecimal =

7. Binary = 11000101  
Hexadecimal =

8. Binary = 1100101110  
Decimal =

9. Binary = 11100001011  
Decimal =

10. Binary = 111100101000  
Decimal =

## Converting Binary to Other Bases (E) Answers

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal = 9

2. Binary = 1001110  
Octal = 116

3. Binary = 101101010  
Octal = 552

4. Binary = 1111010111  
Hexadecimal = 3D7

5. Binary = 10101101  
Hexadecimal = AD

6. Binary = 111111100  
Hexadecimal = 1FC

7. Binary = 11000101  
Hexadecimal = C5

8. Binary = 1100101110  
Decimal = 814

9. Binary = 11100001011  
Decimal = 1803

10. Binary = 111100101000  
Decimal = 3880

## Converting Binary to Other Bases (F)

Write each binary number in the base number system indicated.

1. Binary = 111  
Octal =

2. Binary = 100100  
Hexadecimal =

3. Binary = 1010111100  
Octal =

4. Binary = 1001000000  
Hexadecimal =

5. Binary = 1010000101  
Decimal =

6. Binary = 101000101  
Decimal =

7. Binary = 1000111000  
Octal =

8. Binary = 11100110  
Hexadecimal =

9. Binary = 10001011101100  
Octal =

10. Binary = 111110000111  
Decimal =

## Converting Binary to Other Bases (F) Answers

Write each binary number in the base number system indicated.

1. Binary = 111  
Octal = 7

2. Binary = 100100  
Hexadecimal = 24

3. Binary = 1010111100  
Octal = 1274

4. Binary = 1001000000  
Hexadecimal = 240

5. Binary = 1010000101  
Decimal = 645

6. Binary = 101000101  
Decimal = 325

7. Binary = 1000111000  
Octal = 1070

8. Binary = 11100110  
Hexadecimal = E6

9. Binary = 10001011101100  
Octal = 21354

10. Binary = 111110000111  
Decimal = 3975

## Converting Binary to Other Bases (G)

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal =

2. Binary = 110001  
Octal =

3. Binary = 111011010  
Octal =

4. Binary = 1110111100  
Octal =

5. Binary = 1110110101  
Hexadecimal =

6. Binary = 111110000  
Decimal =

7. Binary = 1000001001  
Octal =

8. Binary = 1100011011  
Octal =

9. Binary = 11001000011  
Octal =

10. Binary = 1000010011110  
Octal =

## Converting Binary to Other Bases (G) Answers

Write each binary number in the base number system indicated.

1. Binary = 1001  
Decimal = 9

2. Binary = 110001  
Octal = 61

3. Binary = 111011010  
Octal = 732

4. Binary = 1110111100  
Octal = 1674

5. Binary = 1110110101  
Hexadecimal = 3B5

6. Binary = 111110000  
Decimal = 496

7. Binary = 1000001001  
Octal = 1011

8. Binary = 1100011011  
Octal = 1433

9. Binary = 11001000011  
Octal = 3103

10. Binary = 1000010011110  
Octal = 10236

## Converting Binary to Other Bases (H)

Write each binary number in the base number system indicated.

1. Binary = 111  
Hexadecimal =

2. Binary = 10111  
Hexadecimal =

3. Binary = 10100101  
Decimal =

4. Binary = 10100000  
Octal =

5. Binary = 1110101111  
Hexadecimal =

6. Binary = 101101010  
Octal =

7. Binary = 110110100  
Hexadecimal =

8. Binary = 110110001  
Hexadecimal =

9. Binary = 1110111100100  
Decimal =

10. Binary = 1011100110011  
Decimal =

## Converting Binary to Other Bases (H) Answers

Write each binary number in the base number system indicated.

1. Binary = 111  
Hexadecimal = 7

2. Binary = 10111  
Hexadecimal = 17

3. Binary = 10100101  
Decimal = 165

4. Binary = 10100000  
Octal = 240

5. Binary = 1110101111  
Hexadecimal = 3AF

6. Binary = 101101010  
Octal = 552

7. Binary = 110110100  
Hexadecimal = 1B4

8. Binary = 110110001  
Hexadecimal = 1B1

9. Binary = 1110111100100  
Decimal = 7652

10. Binary = 1011100110011  
Decimal = 5939



## Converting Binary to Other Bases (I)

Write each binary number in the base number system indicated.

1. Binary = 100  
Octal =

2. Binary = 1011110  
Hexadecimal =

3. Binary = 1011010100  
Hexadecimal =

4. Binary = 100011001  
Hexadecimal =

5. Binary = 1100101001  
Decimal =

6. Binary = 111100001  
Hexadecimal =

7. Binary = 1011110001  
Hexadecimal =

8. Binary = 100010100  
Decimal =

9. Binary = 101100100110  
Decimal =

10. Binary = 11100100001  
Octal =

## Converting Binary to Other Bases (I) Answers

Write each binary number in the base number system indicated.

1. Binary = 100  
Octal = 4

2. Binary = 1011110  
Hexadecimal = 5E

3. Binary = 1011010100  
Hexadecimal = 2D4

4. Binary = 100011001  
Hexadecimal = 119

5. Binary = 1100101001  
Decimal = 809

6. Binary = 111100001  
Hexadecimal = 1E1

7. Binary = 1011110001  
Hexadecimal = 2F1

8. Binary = 100010100  
Decimal = 276

9. Binary = 101100100110  
Decimal = 2854

10. Binary = 11100100001  
Octal = 3441

## Converting Binary to Other Bases (J)

Write each binary number in the base number system indicated.

1. Binary = 1  
Octal =

2. Binary = 10010  
Octal =

3. Binary = 1110010001  
Decimal =

4. Binary = 100101000  
Hexadecimal =

5. Binary = 11110000  
Hexadecimal =

6. Binary = 111000000  
Hexadecimal =

7. Binary = 1001111101  
Hexadecimal =

8. Binary = 1110100111  
Hexadecimal =

9. Binary = 10000111010100  
Hexadecimal =

10. Binary = 1111011010011  
Decimal =

## Converting Binary to Other Bases (J) Answers

Write each binary number in the base number system indicated.

1. Binary = 1  
Octal = 1

2. Binary = 10010  
Octal = 22

3. Binary = 1110010001  
Decimal = 913

4. Binary = 100101000  
Hexadecimal = 128

5. Binary = 11110000  
Hexadecimal = F0

6. Binary = 111000000  
Hexadecimal = 1C0

7. Binary = 1001111101  
Hexadecimal = 27D

8. Binary = 1110100111  
Hexadecimal = 3A7

9. Binary = 10000111010100  
Hexadecimal = 21D4

10. Binary = 1111011010011  
Decimal = 7891