

Converting Binary to Octal (A)

Write each binary number as an octal number.

1. Binary = 110
Octal =

2. Binary = 10110
Octal =

3. Binary = 1100111101
Octal =

4. Binary = 1100011111
Octal =

5. Binary = 1000000001
Octal =

6. Binary = 1110111
Octal =

7. Binary = 1010101111
Octal =

8. Binary = 101110010
Octal =

9. Binary = 10100101010
Octal =

10. Binary = 101001011100
Octal =

Converting Binary to Octal (A) Answers

Write each binary number as an octal number.

1. Binary = 110
Octal = 6

2. Binary = 10110
Octal = 26

3. Binary = 1100111101
Octal = 1475

4. Binary = 1100011111
Octal = 1437

5. Binary = 1000000001
Octal = 1001

6. Binary = 1110111
Octal = 167

7. Binary = 1010101111
Octal = 1257

8. Binary = 101110010
Octal = 562

9. Binary = 10100101010
Octal = 2452

10. Binary = 101001011100
Octal = 5134

Converting Binary to Octal (B)

Write each binary number as an octal number.

1. Binary = 1
Octal =

2. Binary = 101101
Octal =

3. Binary = 1011110001
Octal =

4. Binary = 100101101
Octal =

5. Binary = 100111101
Octal =

6. Binary = 111010100
Octal =

7. Binary = 1010010100
Octal =

8. Binary = 1101011
Octal =

9. Binary = 10100001101
Octal =

10. Binary = 10000000100010
Octal =

Converting Binary to Octal (B) Answers

Write each binary number as an octal number.

1. Binary = 1
Octal = 1

2. Binary = 101101
Octal = 55

3. Binary = 1011110001
Octal = 1361

4. Binary = 100101101
Octal = 455

5. Binary = 100111101
Octal = 475

6. Binary = 111010100
Octal = 724

7. Binary = 1010010100
Octal = 1224

8. Binary = 1101011
Octal = 153

9. Binary = 10100001101
Octal = 2415

10. Binary = 10000000100010
Octal = 20042

Converting Binary to Octal (C)

Write each binary number as an octal number.

1. Binary = 1000
Octal =

2. Binary = 1010011
Octal =

3. Binary = 1000011011
Octal =

4. Binary = 10111100
Octal =

5. Binary = 1011110100
Octal =

6. Binary = 1100001010
Octal =

7. Binary = 1100001110
Octal =

8. Binary = 1110001100
Octal =

9. Binary = 111001101000
Octal =

10. Binary = 1100010010110
Octal =

Converting Binary to Octal (C) Answers

Write each binary number as an octal number.

1. Binary = 1000
Octal = 10

2. Binary = 1010011
Octal = 123

3. Binary = 1000011011
Octal = 1033

4. Binary = 10111100
Octal = 274

5. Binary = 1011110100
Octal = 1364

6. Binary = 1100001010
Octal = 1412

7. Binary = 1100001110
Octal = 1416

8. Binary = 1110001100
Octal = 1614

9. Binary = 111001101000
Octal = 7150

10. Binary = 1100010010110
Octal = 14226

Converting Binary to Octal (D)

Write each binary number as an octal number.

1. Binary = 1000
Octal =

2. Binary = 1010110
Octal =

3. Binary = 11111110
Octal =

4. Binary = 1101110001
Octal =

5. Binary = 1110010001
Octal =

6. Binary = 1000110100
Octal =

7. Binary = 1110000001
Octal =

8. Binary = 1010001100
Octal =

9. Binary = 100001101101
Octal =

10. Binary = 10010111100000
Octal =

Converting Binary to Octal (D) Answers

Write each binary number as an octal number.

1. Binary = 1000
Octal = 10

2. Binary = 1010110
Octal = 126

3. Binary = 11111110
Octal = 776

4. Binary = 1101110001
Octal = 1561

5. Binary = 1110010001
Octal = 1621

6. Binary = 1000110100
Octal = 1064

7. Binary = 1110000001
Octal = 1601

8. Binary = 1010001100
Octal = 1214

9. Binary = 100001101101
Octal = 4155

10. Binary = 10010111100000
Octal = 22740

Converting Binary to Octal (E)

Write each binary number as an octal number.

1. Binary = 110
Octal =

2. Binary = 1000000
Octal =

3. Binary = 1010000001
Octal =

4. Binary = 1010001001
Octal =

5. Binary = 11111110
Octal =

6. Binary = 11101100
Octal =

7. Binary = 1110001100
Octal =

8. Binary = 1100001111
Octal =

9. Binary = 111011110100
Octal =

10. Binary = 10001110111011
Octal =

Converting Binary to Octal (E) Answers

Write each binary number as an octal number.

1. Binary = 110
Octal = 6

2. Binary = 1000000
Octal = 100

3. Binary = 1010000001
Octal = 1201

4. Binary = 1010001001
Octal = 1211

5. Binary = 11111110
Octal = 376

6. Binary = 11101100
Octal = 354

7. Binary = 1110001100
Octal = 1614

8. Binary = 1100001111
Octal = 1417

9. Binary = 111011110100
Octal = 7364

10. Binary = 10001110111011
Octal = 21673

Converting Binary to Octal (F)

Write each binary number as an octal number.

1. Binary = 1000
Octal =

2. Binary = 1100010
Octal =

3. Binary = 111011000
Octal =

4. Binary = 11010000
Octal =

5. Binary = 110010111
Octal =

6. Binary = 10101101
Octal =

7. Binary = 1000101001
Octal =

8. Binary = 1110110001
Octal =

9. Binary = 11111100011
Octal =

10. Binary = 11100101001
Octal =

Converting Binary to Octal (F) Answers

Write each binary number as an octal number.

1. Binary = 1000
Octal = 10

2. Binary = 1100010
Octal = 142

3. Binary = 111011000
Octal = 730

4. Binary = 11010000
Octal = 320

5. Binary = 110010111
Octal = 627

6. Binary = 10101101
Octal = 255

7. Binary = 1000101001
Octal = 1051

8. Binary = 1110110001
Octal = 1661

9. Binary = 11111100011
Octal = 3743

10. Binary = 11100101001
Octal = 3451

Converting Binary to Octal (G)

Write each binary number as an octal number.

1. Binary = 100
Octal =

2. Binary = 110011
Octal =

3. Binary = 1101010110
Octal =

4. Binary = 1101100000
Octal =

5. Binary = 1100110
Octal =

6. Binary = 1001100011
Octal =

7. Binary = 110010101
Octal =

8. Binary = 10000000
Octal =

9. Binary = 10010100101101
Octal =

10. Binary = 1010100101000
Octal =

Converting Binary to Octal (G) Answers

Write each binary number as an octal number.

1. Binary = 100
Octal = 4

2. Binary = 110011
Octal = 63

3. Binary = 1101010110
Octal = 1526

4. Binary = 1101100000
Octal = 1540

5. Binary = 1100110
Octal = 146

6. Binary = 1001100011
Octal = 1143

7. Binary = 110010101
Octal = 625

8. Binary = 10000000
Octal = 200

9. Binary = 10010100101101
Octal = 22455

10. Binary = 1010100101000
Octal = 12450

Converting Binary to Octal (H)

Write each binary number as an octal number.

1. Binary = 101
Octal =

2. Binary = 10110
Octal =

3. Binary = 1001100100
Octal =

4. Binary = 1101000010
Octal =

5. Binary = 100001001
Octal =

6. Binary = 111010000
Octal =

7. Binary = 11101000
Octal =

8. Binary = 1011101000
Octal =

9. Binary = 1001101100100
Octal =

10. Binary = 1000110000011
Octal =

Converting Binary to Octal (H) Answers

Write each binary number as an octal number.

1. Binary = 101
Octal = 5

2. Binary = 10110
Octal = 26

3. Binary = 1001100100
Octal = 1144

4. Binary = 1101000010
Octal = 1502

5. Binary = 100001001
Octal = 411

6. Binary = 111010000
Octal = 720

7. Binary = 11101000
Octal = 350

8. Binary = 1011101000
Octal = 1350

9. Binary = 1001101100100
Octal = 11544

10. Binary = 1000110000011
Octal = 10603

Converting Binary to Octal (I)

Write each binary number as an octal number.

1. Binary = 10
Octal =

2. Binary = 100001
Octal =

3. Binary = 1011000111
Octal =

4. Binary = 111111010
Octal =

5. Binary = 1000000101
Octal =

6. Binary = 1101001
Octal =

7. Binary = 100101101
Octal =

8. Binary = 1011110111
Octal =

9. Binary = 1010010010001
Octal =

10. Binary = 1001000011010
Octal =

Converting Binary to Octal (I) Answers

Write each binary number as an octal number.

1. Binary = 10
Octal = 2

2. Binary = 100001
Octal = 41

3. Binary = 1011000111
Octal = 1307

4. Binary = 111111010
Octal = 772

5. Binary = 1000000101
Octal = 1005

6. Binary = 1101001
Octal = 151

7. Binary = 100101101
Octal = 455

8. Binary = 1011110111
Octal = 1367

9. Binary = 1010010010001
Octal = 12221

10. Binary = 1001000011010
Octal = 11032

Converting Binary to Octal (J)

Write each binary number as an octal number.

1. Binary = 11
Octal =

2. Binary = 101000
Octal =

3. Binary = 1001000101
Octal =

4. Binary = 101111010
Octal =

5. Binary = 10100100
Octal =

6. Binary = 1011001011
Octal =

7. Binary = 1110100101
Octal =

8. Binary = 1000011010
Octal =

9. Binary = 1000010000010
Octal =

10. Binary = 1000010101110
Octal =

Converting Binary to Octal (J) Answers

Write each binary number as an octal number.

1. Binary = 11
Octal = 3

2. Binary = 101000
Octal = 50

3. Binary = 1001000101
Octal = 1105

4. Binary = 101111010
Octal = 572

5. Binary = 10100100
Octal = 244

6. Binary = 1011001011
Octal = 1313

7. Binary = 1110100101
Octal = 1645

8. Binary = 1000011010
Octal = 1032

9. Binary = 1000010000010
Octal = 10202

10. Binary = 1000010101110
Octal = 10256