

Base 10

2

8

16

127

1111111

177

7F

21

10101

25

15

57

111001

71

39

171

10101011

253

AB

- 127

10000001

201

81

- 21

11101011

353

EB

- 57

11000111

307

C7

- 171

1010101

125

55

0 1 1 1 1 1 1 1

1 0 0 0 0 0 0 0

+ 1

1	0	0	0	0	0	0	1
$_2$							

↓

↓

↓

2

0

1₈

1	0	0	0	0	0	0	0	1
$_2$								

↓

↓

8

1₁₆

$$\begin{array}{r}
 00010101 \\
 11101010 \\
 +1 \\
 \hline
 11101011_2 \\
 \downarrow \quad \downarrow \quad \downarrow \\
 3 \quad 5 \quad 3_8
 \end{array}$$

$$\begin{array}{r}
 1110 \quad 1011 \\
 \hline
 \downarrow \quad \downarrow \\
 F \quad B_{16}
 \end{array}$$

$$\begin{array}{r}
 00111001 \\
 11000110 \\
 +1 \\
 \hline
 11000111_2 \\
 \downarrow \quad \downarrow \quad \downarrow \\
 3 \quad 0 \quad 7_8
 \end{array}$$

$$\begin{array}{r}
 1100 \quad 0111 \\
 \hline
 \downarrow \quad \downarrow \\
 C \quad 7_{16}
 \end{array}$$

$$\begin{array}{r}
 10101011 \\
 01010100 \\
 +1 \\
 \hline
 01010101_2 \\
 \downarrow \quad \downarrow \quad \downarrow \\
 1 \quad 2 \quad 5_8
 \end{array}$$

$$\begin{array}{r}
 0101 \quad 0101 \\
 \hline
 \downarrow \quad \downarrow \\
 5 \quad 5_{16}
 \end{array}$$

