Base 10 → 2:

127 → max = 2^6 = 64 → 127 − 64 = 63 → max = 2^5 = 32 → 63 − 32 = 31 → max = 24
= 16 → 31 − 16 = 15 → max = 2^3 = 8 → 15 − 8 = 7 → max = 2^2 = 4 → 7 − 4 = 3 → max = 2^1
= 2 → 3 − 2 = 1 ⇒ max = 2^0 = 1 → 1 − 1 = 0

BASE 2: 1 1 1 1 1 1 1

BASE 8: 1 7 7

BASE 2: 1 1 1 1 1 1 1

BASE 16: 7 F

| Base 2: 1111111 |
| Base 8: 177 |
| Base 16: 7F |

Base 2 → Base 10:

$10101 = 1 \times 2^4 + 0 \times 2^3 + 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$ → $10101 = 16 + 4 + 1 = 21_{10}$

BASE 10: 21

| Base 8 : 25 |
| Base 16   15 |

BASE 2: 10101

BASE 8: 2 5

BASE 2: 10101

BASE 16: 1 5

Base 8 → Base 10:

$71 = 7 \times 8^1 + 1 \times 8^0 = 56 + 1 = 57$

| Base 10: 57 |
| Base 2 : 71 |
| Base 16 : 39 |

Base 8: 7 1

Base 2: 1 1 1   0 0 1

7 1

Base 2 : 111 001

Base 16: 3 9

Base 16 → Base 10:

$AB = 10 \times 16^1 + 11 \times 16^0 = 160 + 11 = 171$

| Base 10 = 171 |
| Base 2 : 1010 1011 |
| Base 8 : 253 |

Base 16: A B

Base 2: 1 0 1 0   1 0 1 1

Base 2: 1010 1011

Base 8: 2 5 3