**Converting 35 to binary (base 2):**

35 ÷ 2 = 17 remainder 1

17 ÷ 2 = 8 remainder 1

8 ÷ 2 = 4 remainder 0

4 ÷ 2 = 2 remainder 0

2 ÷ 2 = 1 remainder 0

1 ÷ 2 = 0 remainder 1

Reading the remainders from bottom to top, we get 100011 as the binary representation of 35.

**Converting 35 to decimal (base 10):**

Since 35 is already in decimal form, there is no need to perform any calculations. The decimal representation of 35 is simply 35.

**Converting 35 to hexadecimal (base 16):**

35 ÷ 16 = 2 remainder 3 (which is 3 in hexadecimal)

2 ÷ 16 = 0 remainder 2 (which is 2 in hexadecimal)

Reading the remainders from bottom to top, we get 23 as the hexadecimal representation of 35.