

$$127_{10} =$$

$$\begin{array}{r}
 2 \overline{) 127} \\
 \underline{2 63} \text{ r } 1 \\
 2 \overline{) 63} \\
 \underline{2 31} \text{ r } 1 \\
 2 \overline{) 31} \\
 \underline{2 15} \text{ r } 1 \\
 2 \overline{) 15} \\
 \underline{2 7} \text{ r } 1 \\
 2 \overline{) 7} \\
 \underline{2 3} \text{ r } 1 \\
 2 \overline{) 3} \\
 \underline{2 1} \text{ r } 1 \\
 2 \overline{) 1} \\
 \underline{2 0} \text{ r } 1
 \end{array}$$

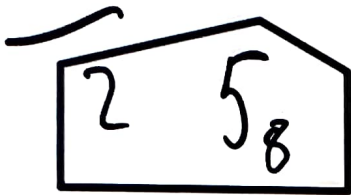
$$= \boxed{1111111_2}$$

$$1111111_2 =$$

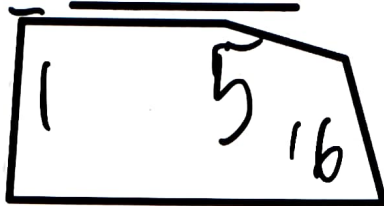
$$\begin{array}{cccc}
 \underline{11} & \underline{111} & \underline{111} & \underline{111111} \\
 3 & 7 & 7 & FF_{16}
 \end{array}$$

$$10101_2 =$$

10101



10101



10101

$1 \times 2^4 \quad 1 \times 2^2 \quad 1 \times 2^0$

16 4 1

21_{10}

$$718 = 7 \quad 1$$

$$421 \quad 421$$

$$111 \quad 001 = 111001_2$$

$$\frac{111001}{39} = 3916$$

$$\begin{array}{ccccccc} 1 & 1 & 1 & 0 & 0 & 1 & \\ 5 & 4 & 3 & 2 & 1 & 0 & \\ 1 \times 2^5 & 1 \times 2^4 & 1 \times 2^3 & 1 \times 2^0 & & & \\ 32 & 16 & 8 & 1 & = & 57_{10} \end{array}$$

$$AB_{16} =$$

$$10101011$$

$$\begin{array}{ccccccc} 1 & 0 & 1 & 0 & 1 & 0 & 1 & 1 \\ 7 & 6 & 5 & 4 & 3 & 2 & 1 & 0 \end{array}$$

$$2^7 \times 2^6 \times 2^5 \times 2^4 \times 2^3 \times 2^2 \times 2^1 \times 2^0$$

$$128 \quad 32 \quad 8 \quad 2 \quad 1$$

$$\begin{array}{cccc} 1 & 0 & 1 & 0 & 1 & 0 & 1 & 1 \\ \hline & 2 & & 5 & & & 3 & \end{array}$$

$$171_{10}$$

$$2538$$