1. $-17 \bmod 23$?

$\Rightarrow$ To Compute $-17 \bmod 23$, we want to the remainder when -17 is divided by 23, expressed as a non-negative integer less than 23.

$-17 \bmod 23 = 23 - (17 \bmod 23) = 23 - 17 = 6$

$\therefore 6 = -17 \bmod 23$.

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2. Multiplicative Inverse of -13 upon modulo 23?

$\Rightarrow$ To find the multiplicative inverse of $-13 \mod 23$, we want a number x such that,
$$(-13) \cdot x \equiv 1 \mod 23$$

Since modular arithmatic is cycle, we can first reduce $-13 \mod 23$:
$$-13 \mod 23 = 10$$

So, the problem becomes:
$$10 \cdot x \equiv 1 \mod 23$$

To Solve $10x \equiv 1 \mod 23$

we need to find x such that is true.

Try small values:

* $10 \cdot 1 = 10$ (less than 23)
* $10 \cdot 2 = 20$ (less than 23)
* $10 \cdot 3 = 30 \equiv 7 \pmod{23}$
* $10 \cdot 4 = 40 \equiv 17 \pmod{23}$
* $10 \cdot 5 = 50 \equiv 4 \pmod{23}$
* $10 \cdot 6 = 60 \equiv 14 \pmod{23}$
* $10 \cdot 7 = 70 \equiv 1 \pmod{23}$

So, $10 \cdot 7 \equiv 1 \mod 23$