



Why

We want to count in circles.¹

Definition

Let $n \in \mathbf{Z}$ with $n > 1$ and take $a, b \in \mathbf{Z}$. The integers a and b are *congruent modulo n* (or with respect to the *modulus n*) if n is a divisor of their difference.²

¹Future editions will expand.

²Future editions will expand, and may need a sheet on congruence relations.

