Let $G$ be a finite cyclic group written with additive notation. For a positive integer $h$ and a nonempty subset $A$ of $G$, we let $hA$ and $h±A$ denote the $h$-fold unrestricted sumset of $A$ and the $h$-fold unrestricted span of $A$, respectively; that is, $hA$ is the collection of sums of $h$ not-necessarily-distinct elements of $A$, and $h±A$ consists of all signed sums of $h$ not-necessarily-distinct elements, meaning you can add or subtract each element rather than only add. For a positive $m \leq |G|$, we let

$$\rho(Z_n, m, h) = \min\{|hA| : A \subseteq G, |A| = m\}$$

and

$$\rho±(Z_n, m, h) = \min\{|h±A| : A \subseteq G, |A| = m\}.$$ 

While one might intuitively think that $\rho(Z_n, m, h)$ would tend to be smaller, we find that the two are always equal. (Received September 17, 2013)