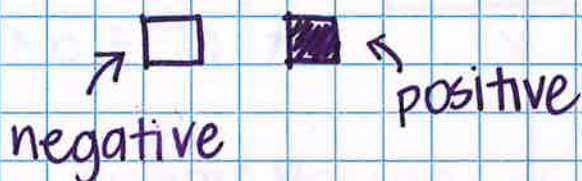


can combine like terms to make zero pairs when simplifying expressions with algebra tiles.

zero pairs - two opposite #'s (a positive and a negative) together make zero

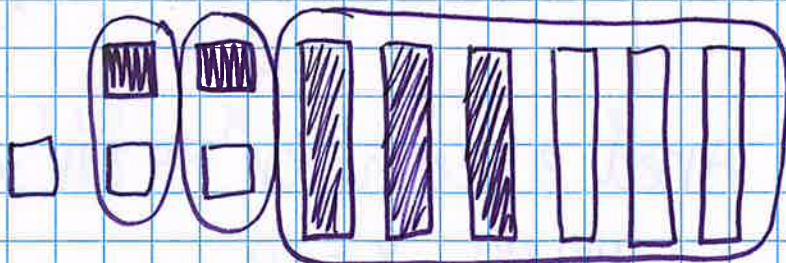
★ zeros don't change a value when added



when we have a $\square \blacksquare$ tile of any matching size, they make a zero pair

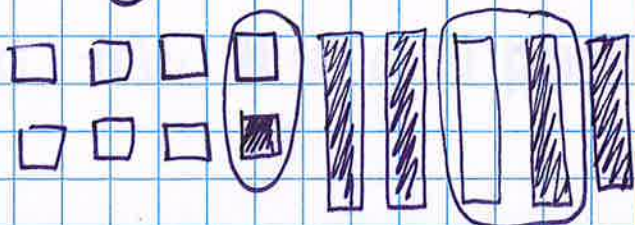
simplifying using zero pairs

4-105 (a) $2 + 2x + x + (-3) + (-3x)$



$\rightarrow -1$

(b) $-2 + 2x + 1 - x + (-5) + 2x$



$\rightarrow 3x - 6$