

Correct. The system that models this situation is $x + y \geq 10$ and $2x + 5y \leq 60$. The graph is shown below. Starting at 14 on the x -axis, move up through the region. The highest point for which y is a whole number is $(14, 6)$. This is shown. So Tonya can buy at most 6 of the 8 in. x 10 in. photos.

