

Correct. The system that models this situation is  $d + c \leq 10$  and  $20d + 12c \leq 120$ . The graph is shown below. Starting at 4 on the  $d$ -axis, move up through the region. The highest point for which  $c$  is a whole number is  $(4, 3)$ . This is shown. So Chase can buy at most 3 of the CDs.

