Farmer Fred sells small containers of his blueberries and raspberries at the farmers' market. He has gathered the following information about the number of each he sells per day:

- At most twice as many blueberries as raspberries. •
- A minimum of 200, but not more than 500 raspberries.
- At least 300 blueberries.
- At most 1200 containers of berries.

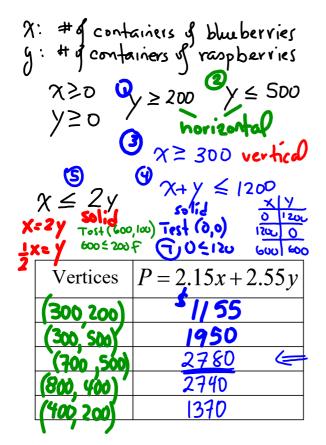
$$\chi \leq 2y$$

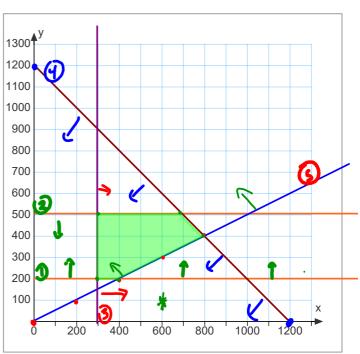
$$y \geq 200 \quad y \leq 500$$

$$\chi \geq 300$$

$$\chi + y \leq 1200$$

His costs associated with producing are \$0.85 per container of blueberries and \$0.95 per container of raspberries. He sells the blueberries for \$3.00 each and the raspberries for \$3,50 each. How many of each does Fred need to sell in order to make the greatest profit ?





fred must sell 700 containers of Blueberries & 500 containers of Raspberries