

Shoes Anyone?

Universe Corporation makes two types of shoes; an aerobics shoe and a basketball shoe.

The shoes are assembled by machine and then finished by hand.

It takes 0.25 hours for the machine assembly and 0.1 hours by hand to make the aerobic shoe.

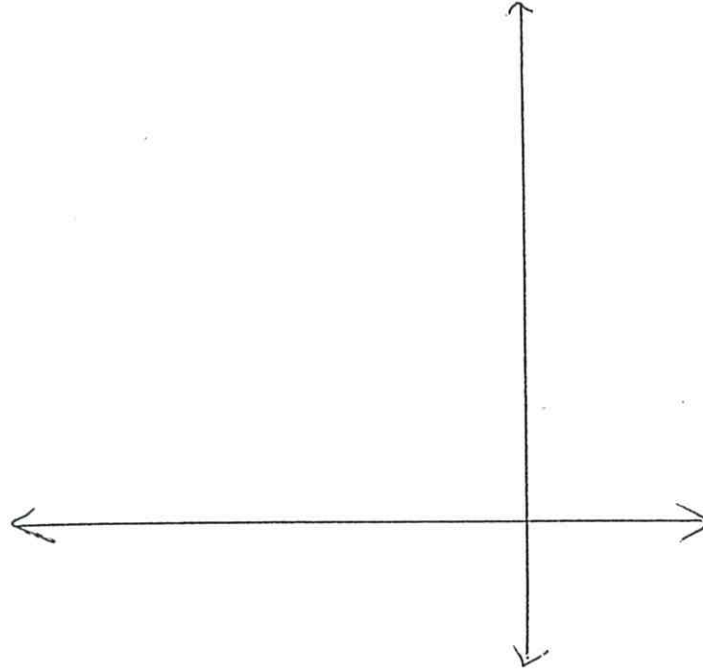
It takes 0.15 hours on the machine and 0.2 hours by hand to make the basketball shoe.

Universe can allocate no more than 900 machine hours and no more than 500 hand hours per day.

The profit is \$10 on each aerobic shoe and \$15 on each basketball shoe.

Determine how many of each type of shoe should be made to maximize profit.

Organize information in a table:



Objective Function

x	y

Answer: