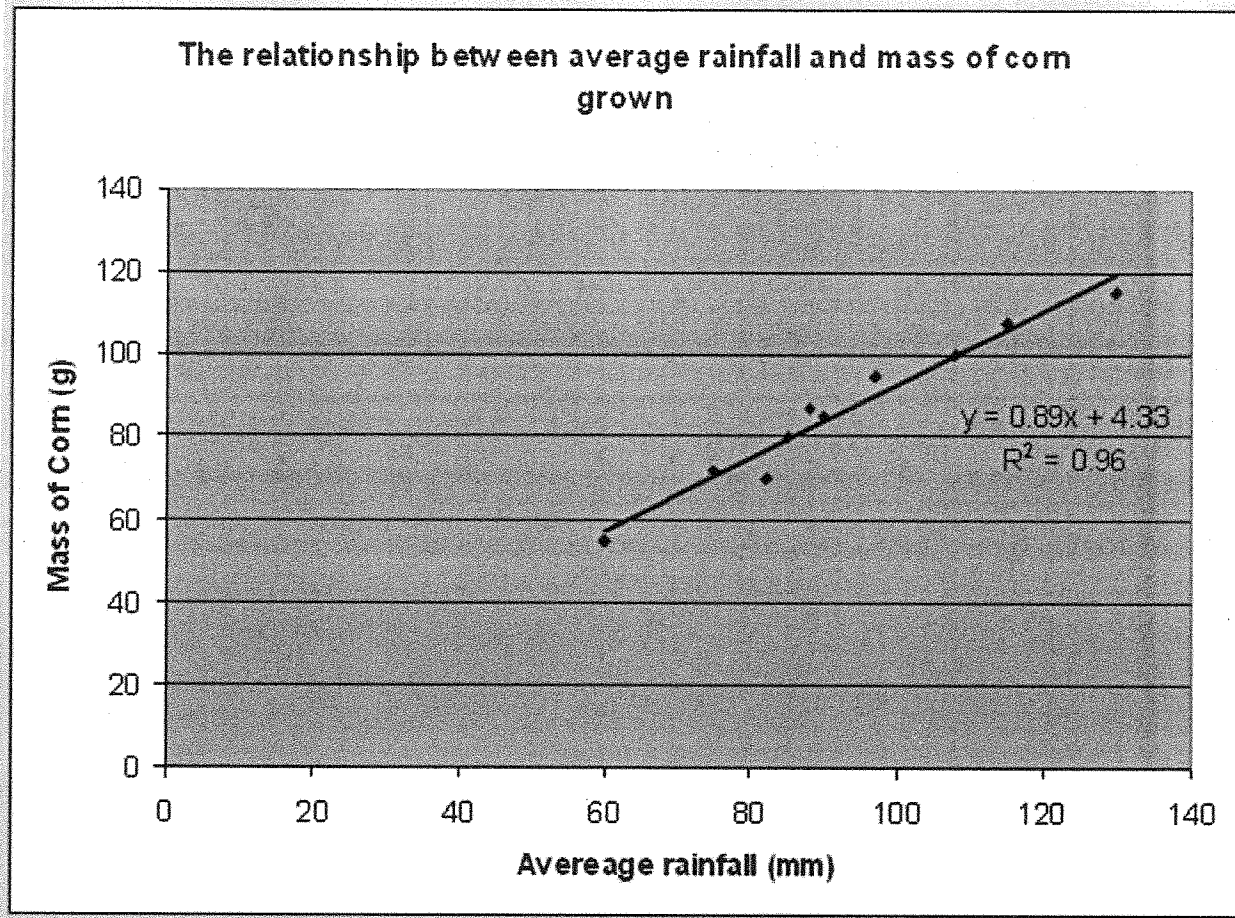


Two-Variable Data (Practice: Solutions)

1 & 2.



3.

Using the equation of the line of best fit, substitute  $x = 120$ :

$$\begin{aligned}y &= 0.89x + 4.33 \\ &= 0.89(120) + 4.33 \\ &= 111.13\end{aligned}$$

The mass of the corn would be approximately 111.13 grams.

4.

Using the equation of the line of best fit, substitute  $y = 122$  and solve for  $x$ :

$$\begin{aligned}y &= 0.89x + 4.33 \\ 122 &= 0.89x + 4.33 \\ 122 - 4.33 &= 0.89x \\ 117.67 &= 0.89x \\ x &= 132.2\end{aligned}$$

The amount of rainfall would be approximately 132.2 mm.