

**IPRAM**

**ROSSY MARYORITH LÓPEZ ACABAL**

**5TO ADMÓN**

**TAREA#8**

**ADMINISTRACIÓN**

**PROFE JOSUE**

**2021**

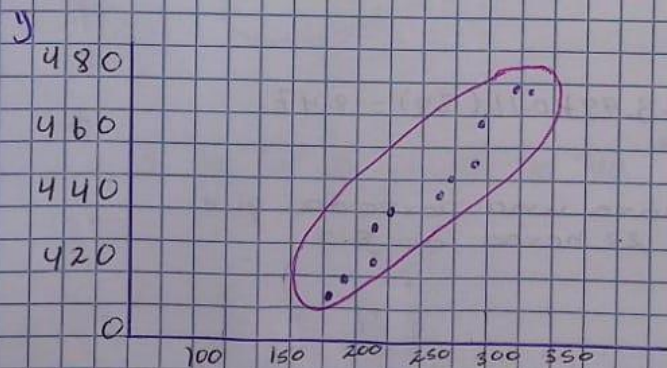




# Rossy López sto Admón Tarea

#8

| X    | Y    | Y <sup>2</sup> | X <sup>2</sup> | XY      |
|------|------|----------------|----------------|---------|
| 189  | 402  | 161,604        | 35,721         | 75,978  |
| 196  | 404  | 163,216        | 38,416         | 79,384  |
| 208  | 412  | 169,744        | 43,264         | 85,696  |
| 227  | 425  | 180,625        | 51,529         | 96,475  |
| 239  | 429  | 184,041        | 57,121         | 102,531 |
| 252  | 436  | 190,096        | 63,504         | 109,872 |
| 257  | 440  | 193,600        | 66,049         | 113,080 |
| 274  | 447  | 199,809        | 75,076         | 122,478 |
| 293  | 458  | 209,764        | 85,949         | 134,194 |
| 308  | 469  | 219,961        | 94,864         | 144,452 |
| 316  | 469  | 219,961        | 99,856         | 148,204 |
| 2753 | 4791 | 209,2421       | 708933         | 1209720 |





# Rossy López sto Admón Tarea #8

$$n = \frac{11 \cdot 1,209,720 - 2753 \cdot 4,791}{\sqrt{(11 \cdot 708,933 - 2753^2)(11 \cdot 2092,421 - 4,791^2)}}$$

$$n = \frac{13,306,920 - 13,199,623}{\sqrt{(7,798,263 - 7,579,009)(23,016,631 - 22,953,681)}}$$

$$n = \frac{777,297}{\sqrt{(219,254)(62950)}}$$

$$n = \frac{777,297}{13,802,039,300}$$

$$n = \frac{777,297}{117,482.08} = 0.99 = 1 \text{ correlación positiva excelente.}$$

$$a = \frac{708,933 \cdot 4,791 - 2753 \cdot 1,209,720}{11 \cdot 708,933 - 2753^2}$$

$$a = \frac{3,396,498,003 - 3,336,359,160}{7,798,263 - 7,579,009}$$

$$a = \frac{66,138,843}{219,254} = 301.65$$

$$b = \frac{11 \cdot 1,209,720 - 2753 \cdot 4,791}{219,254}$$

$$b = \frac{13,306,920 - 13,199,623}{219,254}$$

$$b = \frac{117,297}{219,254} = 0.53$$

$$y = 301.65 + 0.53(325) = 473.87$$

III La producción para la venta de la compañía fue de 473.87.