



Nombre de alumno:

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Nombre del trabajo:

Tabla agrupada

Materia:

Estadística

Grado:

1º cuatrimestre

Grupo:

LPS19EMC0121-A

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Vaneza Carolina Gomez Pinto
 1° Cuatrimestre Grupo LPS19EMCO121-A

Tabla 1

| | | | | | | | |
|-----|-----|-----|----|-----|----|-----|----|
| 45 | 53 | 65 | 56 | 44 | 72 | 14 | 76 |
| 100 | 92 | 63 | 45 | 67 | 85 | 50 | 89 |
| 90 | 100 | 98 | 69 | 71 | 86 | 66 | 96 |
| 86 | 98 | 86 | 65 | 86 | 94 | 65 | 93 |
| 50 | 49 | 80 | 92 | 92 | 97 | 78 | 94 |
| 73 | 56 | 84 | 78 | 100 | 47 | 84 | 50 |
| 90 | 82 | 91 | 67 | 49 | 68 | 92 | 45 |
| 91 | 77 | 100 | 45 | 36 | 71 | 100 | 50 |

Formula

$$\text{Rango} = \frac{(N^{\circ} \text{ mayor} - \text{menor}) + 1}{N^{\circ} \text{ intervalos}}$$

$$\text{Rango} = \frac{(100 - 45) + 1}{7} = \frac{56}{7} = 8$$

| Intervalo | f_i | % f_i | F_{i0} | % F_{i0} | \bar{x}_i | f_{i0} | x_i^2 | $f_i x_i^2$ |
|-----------|-------|---------|----------|------------|-------------|----------|---------|-------------|
| 45-52 | 14 | 21.81% | 14 | 21.81 | 48.5 | 679 | 2350.25 | 32931.5 |
| 53-60 | 5 | 7.81% | 19 | 29.68 | 56.5 | 1073.5 | 3192.25 | 15961.25 |
| 61-68 | 8 | 14.28% | 27 | 42.18 | 64.5 | 1741.5 | 4160.25 | 33282 |
| 69-76 | 5 | 7.81% | 32 | 50 | 72.5 | 2320 | 5256.25 | 20281.25 |
| 77-84 | 7 | 10.93% | 39 | 60.93 | 80.5 | 3139.5 | 6480.25 | 45361.25 |
| 85-92 | 14 | 21.87% | 53 | 82.81 | 88.5 | 7328.6 | 7832.25 | 109621.5 |
| 93-100 | 11 | 19.64% | 64 | 100 | 96.5 | 6176 | 9312.25 | 102434.25 |

Total = 365,904

