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**Nombre del trabajo:**

Diapositivas

**Materia:**

COMPUTACION

**Grado:** 2°

**Grupo:** "A"

Comitán de Domínguez Chiapas a 11 de febrero de 2021

# Ejercicios

## ①

$N = 1800$

$P_1 = 65.7\%$

$q_1 = 1 - .657 = 0.343$

$B_1 = 2\% = 0.02$

$n_1 = \cancel{2017} \ 2003$

$D = \dfrac{(0.02)^2}{4} = 0.0001$

$n = \dfrac{(1800)(0.657)(0.343)}{(17999)(0.0001) + (0.657)(0.343)}$

$n = \underline{2003} \ \#$

$P_2 = 77\% = 0.77$

$q_2 = 1 - 0.77 = 0.23$

$B_2 = 4\% = 0.04$

$n_2 =$

$D = \dfrac{(0.04)^2}{4} = 0.0004$

$n = \dfrac{(1800)(0.77)(0.23)}{(1799)(0.0004) + (0.77)(0.23)}$

$n = \underline{433} \ \#$

## ⑥

$N = 1700$

$P_1 = 65.7\% = 0.657$

$q_1 = 1 - 0.657 = 0.343$

$B_1 = 2\% = 0.02$

$n_1 =$

$D = \dfrac{(0.02)^2}{4} = 0.0001$

$n = \dfrac{(1700)(0.657)(0.343)}{(1699)(0.0001) + (0.657)(0.343)}$

$n = \underline{1990} \ \#$

$N = 1700$

$P_2 = 77\% = 0.77$

$q_2 = 1 - 0.77 = 0.23$

$B_2 = 4\% = 0.04$

$n_2 =$

$D = \dfrac{(0.04)^2}{4} = 0.0004$

$n = \dfrac{(1700)(0.77)(0.23)}{(16999)(0.0004) + (0.77)(0.23)}$

$n = \underline{432} \ \#$

(2)

$$D = \frac{(0.02)^2}{4} = 0.0001$$

N = 55000
$P_1 = 55\% = .55$
$q_1 = 1 - .55 = 0.45$
$B_1 = 2\% = 0.02$
$n_1 =$

$$n = \frac{(55000)(.558)(.442)}{(54999)(0.0001) + (0.558)(0.442)}$$

$$n = 5341 \; /\!/$$

$$D = \frac{(0.03)^2}{4} = 0.000225$$

N = 55000
$P_2 = 62.5\%$

$q_2 = 1 - 0.625 = 0.375$

$B_2 = 3\% = 0.03$

$n_2 =$

$$n = \frac{(55000)(0.625)(0.375)}{(54999)(.000225)(+(0.625)(.37))}$$

$$n = 1023 \; /\!/$$

(3)

$$D = \frac{(0.02)^2}{4} = 0.0001$$

N = 50000
$P_1 = 56.7\%$
$q_1 =$
$B_2 = 2\%$
$n_2$

$$n = \frac{(50000)(0.433)(0.567)}{(49999)(0.0001) + (0.433)(0.567)}$$

$$n = 2341$$

$$D = \frac{(0.02)^2}{4} = 0.0004$$

$$n = \frac{(50000)(0.5)(0.5)}{(49999)(0.0004) + (0.5)(0.5)}$$

$$n = 618 \; /\!/$$

(4)

$N = 35200$

$P_1 = 72.5\% = 0.725$

$q_1 = 1 - .725 = 0.275$

$B_1 = 2\% = 0.02$

$n_1 =$

$$D = \frac{(0.02)^2}{4} = 0.0001$$

$$n = \frac{(35200)(0.725)(0.275)}{(35199)(0.0001) + (.725)(.275)}$$

$$n = \underline{1887} \ \#$$

$P_2 = 50\% = 0.5$

$q_2 = 1 - 0.5 = 0.5$

$B_2 = 1\% = 0.01$

$n_2 =$

$$D = \frac{(0.01)^2}{4} = 0.000025$$

$$n = \frac{(35200)(0.5)(0.5)}{(35199)(.000025) + (.5)(.5)}$$

$$n = \underline{7788} \ \#$$

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(5)

$N = 58000$

$P_1 = 50\% = 0.5$

$q_1 = 1 - 0.5 = 0.5$

$B_1 = 5\% = 0.05$

$$D = \frac{(0.05)^2}{4} = 0.000625$$

$$n = \frac{(58000)(0.5)(0.5)}{(57999)(.000625) + (0.5)(0.5)}$$

$$n = 398$$

$$D = \frac{(0.02)^2}{4} = 0.0001$$

$$n = \frac{(58000)(0.74)(0.26)}{(57999)(0.0001) + (.74)(.26)}$$

$$n = \underline{1863} \ \#$$