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Formulaire:

$$N = 50,000$$

$$P = 76\% = .76$$

$$q = 1 - .76 = .24$$

$$B = 4\% = .04$$

$$n = ?$$

$$D = (.04)^2 = .0004$$

$$n = \frac{(50,000)(.76)(.24)}{(44,994)(.0004) + (.76)(.24)} = 451.88$$

$$\underline{\underline{n = .425 \#}}$$

Formulaire:

$$N = 29,000$$

$$P = 55\% = .55$$

$$D = \frac{(.2)^2}{4} = .0001$$

$$q = 1 - .55 = .45$$

$$B = 2\% = .02$$

$$n = \frac{(29,000)(.55)(.45)}{(24,999)(.0001) + (.55)(.45)}$$

$$n = ?$$

$$= 2,252.12$$

$$\underline{\underline{N = 2255 \#}}$$

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Formulario

$$N = 10,000$$

$$P = .5$$

$$D = \frac{(.5)^2}{4} = .000625$$

$$q = 1 - .5 = .5$$

$$B = 5\% = 0.5$$

$$n = ?$$

$$n = \frac{(10,000) (.5)(.5)}{(9,997) (.000625) + (.5)(.5)} = 384.6$$

$$\underline{\underline{n = 385}}$$

Formulario:

$$N = 19,000$$

$$P = 66\% = .66$$

$$D = \frac{(.03)^2}{4} = 0.000225$$

$$q = 1 - .66 = .34$$

$$B = 3\% = 0.03$$

$$n = \frac{(19,000) (.66) (.34)}{(14,999) (.000225) + (.66)(.34)} = 935.71$$

$$\underline{\underline{n = 936}}$$

Norma

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1:

Formulario:

$$q = 1 - p$$

$$D = \frac{B^2}{4}$$

$$n = \frac{N \cdot p \cdot q}{(N-1) \cdot D + p \cdot q}$$

Procedimiento:

$$N = 45.000$$

$$p = 0.5$$

$$q = 1 - p = 0.5$$

$$B = 3\% = 0.03$$

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

$$* n = \frac{N \cdot p \cdot q}{(N-1) \cdot D + p \cdot q} = \frac{(45.000) (0.5) (0.5)}{(44.999) (0.000225) + (0.5)(0.5)}$$

$$n = \underline{\underline{1.085}} \#$$



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2.

Formulario:

$$q = 1 - p$$

$$D = \frac{B^2}{4}$$

$$n = \frac{N \cdot p \cdot q}{(N-1) \cdot D + p \cdot q}$$

Procedimiento:

$$N = 20,000$$

$$p = 72.5\% = \underline{0.725}$$

$$q = 1 - p = \underline{0.275}$$

$$B = 5\% = \underline{0.05}$$

$$* D = \frac{B^2}{4} = \underline{0.0025}$$

$$* n = \frac{N \cdot p \cdot q}{(N-1) \cdot D + p \cdot q} = \frac{(20,000)(0.725)(0.275)}{(19,999)(0.0025) + (0.725)(0.275)}$$
$$n = 3.18965$$

$$\underline{\underline{n = 4}}$$