1. **RESOLUCION RESISTENCIA DE 220 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 220)}\right]^2 (220) = 24.548$$

2. **RESOLUCION RESISTENCIA DE 470 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 470)}\right]^2 (470) = 37.918$$

3. **RESOLUCION RESISTENCIA DE 680 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 680)}\right]^2 (680) = 43.288$$

4. **RESOLUCION RESISTENCIA DE 820 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 820)}\right]^2 (820) = 45.216$$

5. **RESOLUCION RESISTENCIA DE 1000 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 1000)}\right]^2 (1000) = 46.487$$

6. **RESOLUCION RESISTENCIA DE 1500 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 1500)}\right]^2 (1500) = 46.296$$

7. **RESOLUCION RESISTENCIA DE 1800 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 1800)}\right]^2 (1800) = 45$$

8. **RESOLUCION RESISTENCIA DE 2200 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 2200)}\right]^2 (2200) = 42.820$$

9. **RESOLUCION RESISTENCIA DE 3900 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 3900)}\right]^2 (3900) = 33.737$$

10. **RESOLUCION RESISTENCIA DE 4700 ohm.**

$$P = V_L * R_L$$

$$P = \left[\frac{15V}{(1200\Omega + R_L)}\right]^2 (R_L)$$

$$P = \left[\frac{15V}{(1200\Omega + 4700)}\right]^2 (4700) = 30.379$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 1

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{24.6 - 24.548}{24.6} * 100 = 0.211\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 2

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{37.9 - 37.918}{37.9} * 100 = 0.0475\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 3

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{43.3 - 43.288}{43.3} * 100 = 0.0277\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 4

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{45.2 - 45.216}{45.2} * 100 = 0.0354\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 5

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{46.5 - 46.487}{46.5} * 100 = 0.0280\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 6

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{46.3 - 46.296}{46.3} * 100 = 0.0086\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 7

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{45 - 45}{45} * 100 = 0\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 8

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{42.8 - 42.82}{42.8} * 100 = 0.0467\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 9

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{33.8 - 3.737}{33.8} * 100 = 0.1867\%}$$

CALCULO DE ERROR PORCENTUAL EJERCICIO 10

$$Error = \frac{Valor\ real - Valor\ calculado}{Valor\ real} * 100$$

$$\boldsymbol{Error = \frac{30.2 - 30.379}{30.2} * 100 = 0.5892\%}$$