

• SEMICIRCULO

$$1^\circ \frac{\pi \cdot 5^4}{8} = 245.436926$$

$$2^\circ \frac{\pi \cdot 6^4}{8} = 508.938009$$

$$3^\circ \frac{\pi \cdot 7^4}{8} = 942.870495$$

$$4^\circ \frac{\pi \cdot 8^4}{8} = 1,608.495439$$

$$5^\circ \frac{\pi \cdot 9^4}{8} = 2,576.498675$$

• TRIANGULO ISOCÉLES

$$1^\circ \frac{12 \cdot 10^3}{36} = 333.333333$$

$$2^\circ \frac{14 \cdot 11.5^3}{36} = 591.451388$$

$$3^\circ \frac{16 \cdot 13^3}{36} = 976.444444$$

$$4^\circ \frac{18 \cdot 14.5^3}{36} = 1524.3125$$

$$5^\circ \frac{20 \cdot 16^3}{36} = 2275.555556$$

$$1^\circ \frac{12^3 \cdot 10}{48} = 360$$

$$2^\circ \frac{14^3 \cdot 11.5}{48} = 657.416667$$

$$3^\circ \frac{16^3 \cdot 13}{48} = 1109.333333$$

$$4^\circ \frac{18^3 \cdot 14.5}{48} = 1761.75$$

$$5^\circ \frac{20^3 \cdot 16}{48} = 2666.666667$$

• CUARTO DE CIRCULO

$$1^\circ 0.055 \cdot 10'' = 550$$

$$2^\circ 0.055 \cdot 12'' = 1140.48$$

$$3^\circ 0.055 \cdot 14'' = 2112.88$$

$$4^\circ 0.055 \cdot 16'' = 3,604.48$$

$$5^\circ 0.055 \cdot 18'' = 5773.68$$

• RECTANGULO

$$1^{\circ} \frac{10 \cdot 8^3}{12} = 426.66666$$

$$2^{\circ} \frac{12 \cdot 10^3}{12} = 1000$$

$$3^{\circ} \frac{14 \cdot 12^3}{12} = 2016$$

$$4^{\circ} \frac{16 \cdot 14^3}{12} = 3658.66667$$

$$5^{\circ} \frac{18 \cdot 16^3}{12} = 6144$$

$$7^{\circ} \frac{10^3 \cdot 8}{12} = 666.66666$$

$$2^{\circ} \frac{12^3 \cdot 10}{12} = 1440$$

$$3^{\circ} \frac{14^3 \cdot 12}{12} = 2744$$

$$4^{\circ} \frac{16^3 \cdot 14}{12} = 4778.66667$$

$$5^{\circ} \frac{18^3 \cdot 16}{12} = 7776$$



2.3.11

$$1^\circ \quad l_x = (\pi \cdot r^4) / 4 = (\pi \cdot 8^4) / 4 = 3216.990877$$
$$l_y = 3216.990877$$

$$2^\circ \quad l_x = (\pi \cdot 18^4) / 4 = 82,4479576$$
$$l_y = 82,4479576$$

$$3^\circ \quad l_x = (\pi \cdot 28^4) / 4 = 482749.6935$$
$$l_y = 482749.6935$$

$$4^\circ \quad l_x = (\pi \cdot 4^4) / 4 = 201.0619298$$
$$l_y = 201.0619298$$

$$5^\circ \quad l_x = (\pi \cdot 3^4) / 4 = 63.61725124$$
$$l_y = 63.61725124$$

$$6^\circ \quad l_x = (\pi \cdot 10^4) / 4 = 7853.981639$$
$$l_y = 7853.981639$$

$$7^\circ \quad l_x = (\pi \cdot 7^4) / 4 = 1885.74099$$
$$l_y = 1885.74099$$

~~FRANCOLO~~

$$1^\circ I_2 = (\pi \cdot 3^4) / 8 = 31.80802562$$

3 

$$2^\circ I_2 = (\pi \cdot 8^4) / 8 = 1608.495439$$

$$3^\circ I_2 = (\pi \cdot 27^4) / 8 = 992.8704982$$

$$4^\circ I_2 = (\pi \cdot 17^4) / 8 = 32,798.62$$

$$5^\circ I_2 = (\pi \cdot 13^4) / 8 = ~~31.80802562~~ \quad 11,215.87897$$

$$6^\circ I_2 = (\pi \cdot 4^4) / 8 = 100.5309649$$

$$7^\circ I_2 = (\pi \cdot 5^4) / 8 = 245.4369261$$



$$1^{\circ} 0,055 \cdot 5^4 = 34,375$$

5

$$2^{\circ} 1_x - 1_y = 0,055 \cdot 15^4 = 2784,375$$

$$3^{\circ} 1_x - 1_y = 0,055 \cdot 9^4 = 360,855$$

$$4^{\circ} 1_x - 1_y = 0,055 \cdot 25^4 = 21484,375$$

$$5^{\circ} 1_x - 1_y = 0,055 \cdot 9^4 = 132,055$$

$$6^{\circ} 1_x - 1_y = 0,055 \cdot 9^4 = 360,855$$

$$7^{\circ} 1_x - 1_y = 0,055 \cdot 2^4 = 0,88$$

1x

$$1^{\circ} (15 \cdot 10^3) / 36 = 416.666667$$

$$2^{\circ} (15 \cdot 3^3) / 36 = 3.75$$

$$3^{\circ} (15 \cdot 14^3) / 36 = 1143.333333$$

$$4^{\circ} (12 \cdot 9^3) / 36 = 243$$

$$5^{\circ} (13 \cdot 13^3) / 36 = 1218.75$$

$$6^{\circ} (3 \cdot 15^3) / 36 = 281.25$$

$$7^{\circ} (6 \cdot 9^3) / 36 = 121.5$$

1y

$$1^{\circ} (10 \cdot 15^3) / 148 = 703.125$$

$$2^{\circ} (3 \cdot 5^3) / 148 = 7.8125$$

$$3^{\circ} (14 \cdot 15^3) / 148 = 984.375$$

$$4^{\circ} (9 \cdot 12^3) / 148 = 324$$

$$5^{\circ} (15 \cdot 13^3) / 148 = 686.5625$$

$$6^{\circ} (15 \cdot 3^3) / 148 = 8.4375$$

$$7^{\circ} (4 \cdot 3^3) / 148 = 5.0625$$