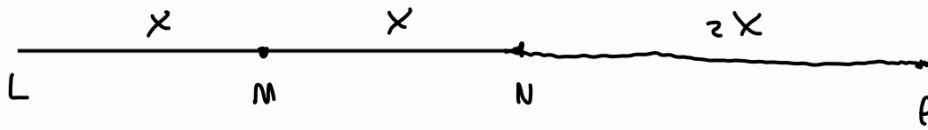


11.17)



$$\frac{x}{4x} = \frac{1}{4}$$

11.18)

(a) $2a + 2b = 2(a+b)$.

$$2\left(\frac{11}{5}\right)a + 2\left(\frac{11}{5}\right)b = \frac{11}{5}a + \frac{11}{5}b = \frac{11}{5}(a+b)$$

$$2 \cdot \frac{x}{100} = \frac{11}{5} \quad x = \frac{11 \cdot 100}{2 \cdot 5} = 110$$

10%

(b) a^2

$$1.1a \cdot 1.1b = \left(\frac{11}{10}\right)^2 ab = \frac{121}{100} ab$$

21%

Cervicales 7 -
Toraxicos 33 - 7
Lumbosacros 26

11.19)

$$4x + x + 2x + 3x + 4x + 5x = 300$$

$$15x = 300$$

$$x = 20$$

$$5x - x = 4x = 4(20) = 80$$

11.20)

$$8 \text{ cm} : 20 \text{ pies}$$

$$12 \text{ cm} : 30 \text{ pies}$$

$$2(50) = 100 \text{ pies}$$

11.21)



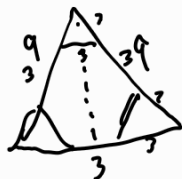
24 de lado
20 de ancho

$$48 + 2(10) = 48 + 20 = 68$$

11.22)

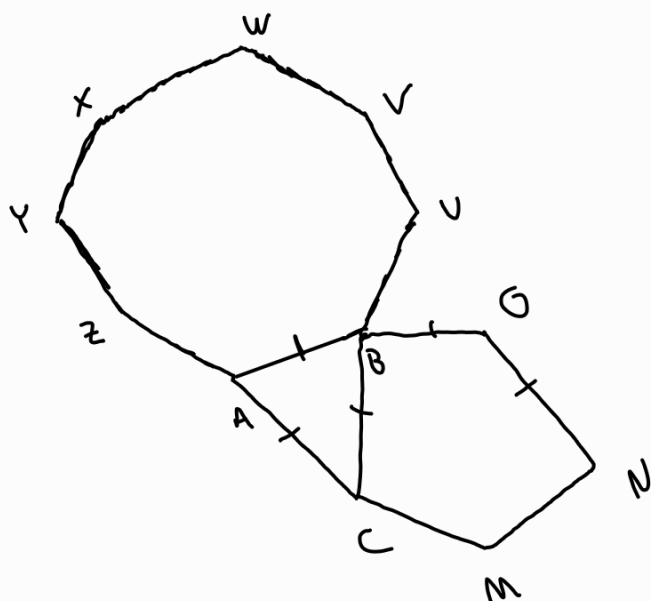
$$10\text{cm} + 10\text{cm} + 14\text{cm} + 14\text{cm} = 48\text{cm}$$

11.23)



$$9 + 9 = 18 \text{ inches}$$

11.24)



$$\begin{array}{r} 160 \\ 12 \overline{) 160} \\ \underline{12} \\ 40 \\ 36 \\ \underline{4} \end{array} \quad 13 \frac{1}{3}$$

$$3 \left(13 + \frac{1}{3} \right) = 39 + 1 = 40$$

11.25)

$$3(1) \times 83 + 2(4) = 249 + 8 = 257 \text{ inches}$$

11.26)

$$749 > a$$

$$26 > a$$

$$a > 12$$

$$13, 14, \dots, 25$$

$$25 - 12 = 13$$

11.27)

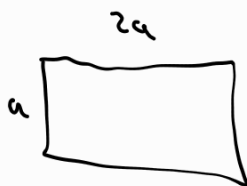
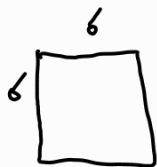
$$\frac{4x}{4y} = \frac{2}{7}$$

$$\frac{x}{y} = \frac{2}{7}$$

$$x = \frac{2}{3} y$$

$$\frac{x^2}{y^2} = \frac{4}{49}$$

11.29)



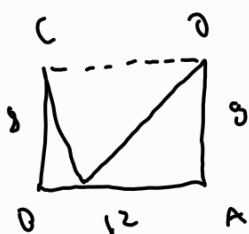
$$2(3a) = 24$$

$$6a = 24$$

$$a = 4$$

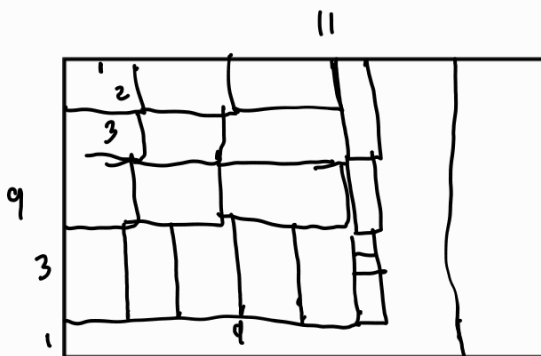
$$8 \times 4 = 32 \text{ cm}^2$$

11.29)



$$96 - \frac{6(12)}{2} = 96 - 36 = 60 \text{ cm}^2$$

11.30)



$$3 \times 3 = 9 + 9 = 18$$

El área total es 99 ft^2 .

$$9 + 3 + 4 + 3 = 19 + 6 = 25$$

El área de los bloques grandes es 6 ft^2 .

$$\frac{99}{6} = 16 \frac{1}{2}$$

$$99 - 18 \cdot 6 = 3$$

Quedan 3 cuadrados por cubrir, entonces necesitamos 3 cuadrados pequeños

$$16 + 3 = 19$$

11.31)

$$\frac{6 \times 5}{2} = \frac{6 \times h}{2}$$

11.32)



$$24 + \frac{5 \cdot 6^3}{2}$$

$$40 = 6h$$

$$\frac{20}{3} = h$$



$$24 + 15$$

$$39$$

11.33)

$$r_1 : r_2$$

$$5x : 2x$$

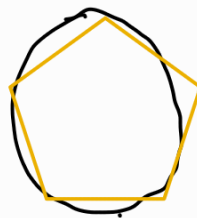
$$A = \pi r^2$$

$$A_1 = 25x^2\pi$$

$$A_2 = 4x^2\pi$$

$$\frac{25}{4}$$

11.34)



Cada segmento se puede intersectar

2 veces

$$6 \cdot 2 = 12$$

11.35)

$$x = \pi$$

$$y = \frac{8\pi}{\pi} = \frac{8}{2} = 4$$

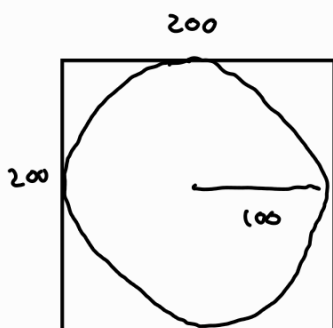
$$z = 9\pi = \pi r^2$$

$$z = 3$$

$$\frac{c}{d} = \pi$$

$$z, x, y$$

11.36)



$$\frac{\pi (100)^2}{200^2} = \frac{100 \cdot 100 \cdot \pi}{200 \cdot 200} = \frac{\pi}{4} = \frac{25\pi}{100}$$

$$79\%$$

$$25 \times 314 \times 10^{-2} \times 10^{-2}$$

$$\begin{array}{r} 314 \\ \times 25 \\ \hline 1570 \end{array}$$

$$7850$$

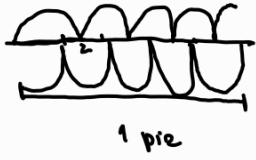
$$\frac{628}{100}$$

$$\frac{628}{7850}$$

11.37)

$$12.6 - 18\pi = 72 - 18\pi$$

11.38)



$$\pi \text{ inch}^2$$

$$\frac{\pi}{2}$$

$$6\pi \text{ in}^2$$

$$\frac{\pi}{2} \times 6 \times 2$$