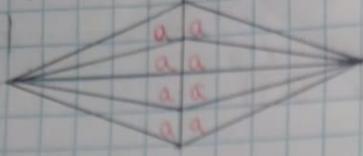


Trabajo de conteo de figuras

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1) 

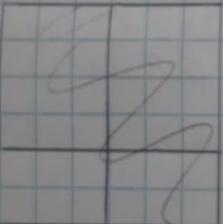
$$\begin{aligned} 1a &= 0 \\ 2a &= 2 \\ 3a &= 0 \\ 4a &= 1 \\ 5a &= 0 \\ 6a &= 2 \\ 7a &= 0 \\ 8a &= 1 \end{aligned}$$

$$\begin{array}{r} 0 + 2 + 0 + 1 + 0 + 2 + 0 + 1 \\ 3 \quad + \quad 3 \\ \hline 6 \end{array}$$

2) 

$$\begin{aligned} 1a &= 16 \\ 2a &= 16 \\ 3a &= 8 \\ 4a &= 4 \end{aligned}$$

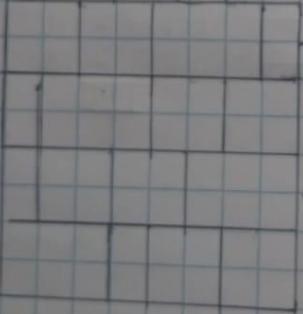
$$\begin{array}{r} 16 + 16 + 8 + 4 \\ 32 \quad + \quad 12 \\ \hline 44 \end{array}$$

3) 

a	a		
a	a	a	
	a	a	a
		a	a

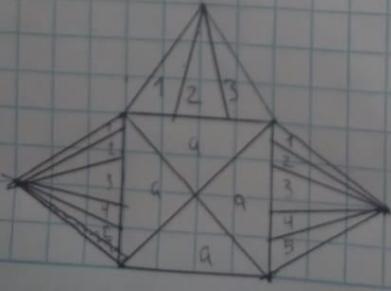
$$\begin{aligned} 1a &= 13 \\ 2a &= 16 \\ 3a &= 6 \\ 4a &= 4 \end{aligned}$$

$$\begin{array}{r} 13 + 16 + 6 + 4 \\ \hline 39 \end{array}$$

4) 

$$\begin{aligned} \rightarrow 1 \quad 1 &= 4 \frac{5}{2} \rightarrow = 10 \\ \rightarrow 2 \quad 2 &= 4 \frac{5}{2} \rightarrow = 10 \\ \rightarrow 3 \quad 3 &= 4 \frac{5}{2} \rightarrow = 10 \\ \rightarrow 4 \quad 4 &= 4 \frac{5}{2} \rightarrow = 10 \end{aligned}$$

$$\begin{array}{r} 10 + 10 + 10 + 10 \\ \hline 40 \end{array}$$

5) 

$$\begin{aligned} 1a &= 4 \\ 2a &= 4 \\ 8 \end{aligned}$$

$$\begin{array}{r} 15 \frac{5+1}{2} \quad 5 \frac{5+1}{2} \\ 15 \quad 15 \\ 3 \frac{3+1}{2} \quad 15 + 15 + 6 + 8 \\ 6 \quad 30 + 14 \\ \hline 44 \end{array}$$

$$6) \quad N_{\Delta} = T - (N_a)$$

$$N_{\Delta} = \frac{n(n+1)}{2} \cdot m - (N_a)$$

$$N_{\Delta} = \frac{4(4+1)}{2} \cdot 5 - (N_a)$$

$$N_{\Delta} = 10 \cdot 5 - 8$$

$$N_{\Delta} = 50 - 8$$

$$N_{\Delta} = 42$$

$$8) \quad P = \frac{4(5)}{2} \cdot \frac{4(5)}{2} \cdot \frac{4(5)}{2} \quad C = \left[\frac{4(5)}{2} \right]^2$$

$$P = 10 \cdot 10 \cdot 10 \quad C = 10^2$$

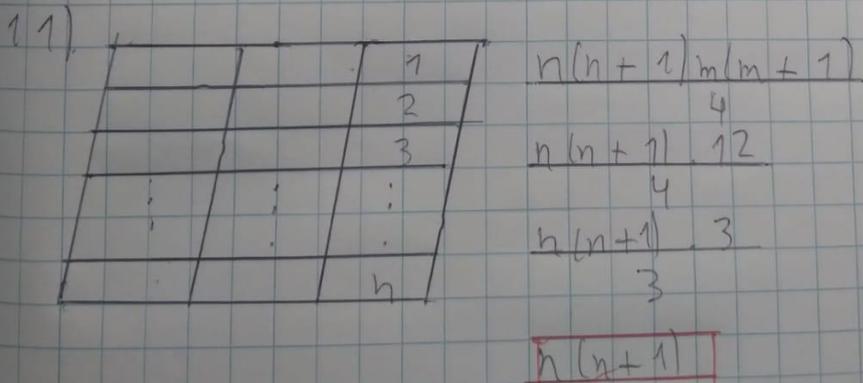
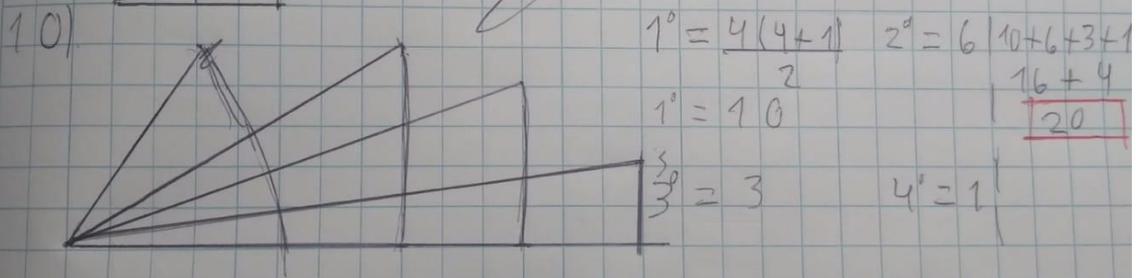
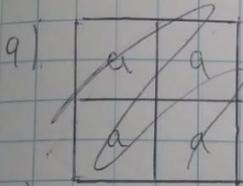
$$P = 1000 \quad C = 100$$

$$\sqrt{C + 3\sqrt{P}}$$

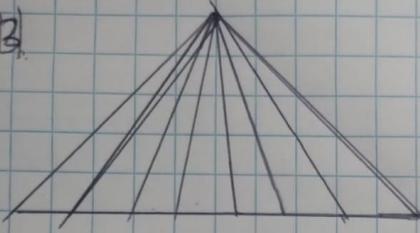
$$\sqrt{100 + 3 \cdot 1000}$$

$$10 + 10$$

$$\boxed{20}$$



13)



$$1^\circ = \frac{n(n+1)}{2}$$

$$= \frac{7(8)}{2}$$

$$= 28$$

$$2^\circ = \frac{3(3+1)}{2} \cdot 7$$

$$= 6 \cdot 7$$

$$= 42$$

$$= (8+42) + 84$$

$$= 70 + 84$$

$$= 154$$

14)

a	a	a	* a
a	a	* a	a
a	* a	a	a
* a	a	a	a

$$1a = 12$$

$$2a = 12$$

$$3a = 4$$

$$4a = 3$$

$$\frac{30}{30}$$

$$\frac{n(n+1)m(m+1)}{4} \rightarrow 100 - 30$$

$$\frac{20 \times 20}{4}$$

$$= 100$$

$$= 70$$