$$\frac{17}{17} PA | a_3 + a_6 = 14$$

$$a_5 = 2a_{10} + 88$$

$$\Pi = -10$$

$$\Rightarrow \begin{cases} \alpha_{1} + 2\pi + \alpha_{1} + 7\pi = 14 \\ \alpha_{1} + 4\pi = \lambda \cdot (\alpha_{1} + 9\pi) + 88 \end{cases}$$

$$\begin{cases} 2\alpha_{1} + 9\pi = 14 \end{cases} (x)$$

$$\begin{cases} 2\alpha_{1} + 9\pi = 14 \end{cases} (x)$$

$$\begin{cases} 2\alpha_{1} - 14\pi = 88 \end{cases} (x)$$

$$\pi = -10 \implies 2. \alpha_1 - 90 = 14$$

$$2\alpha_1 = 104$$

$$|\alpha_1 = 52|$$

Resp a 
$$r = -10$$
 b)  $a_1 = 52$ 

$$(3x-5;3x+1;25)$$

Prop. Média Aritmética  $3x+1=\frac{3x-5+25}{2}$ 

$$3x+1 = \frac{3x-5+25}{2}$$

all

$$(3x+1)-(3x-5)=25-(3x+1)$$

$$\chi^2 = \frac{x+3+6x+1}{2}$$

$$2x^{2} = 7x + 4$$

$$2x^{2} - 7x - 4 = 0$$

$$\Delta = (-7)^2 - 4.2.(-4) = 81$$

$$M=1$$
  $\Rightarrow$   $a_1 = 28+4$   $\pi = 2 - a_1$   $a_2 = 28+4 \cdot 2$   $\pi = (28+8) - (28+4)$   $\pi = 4$ 

$$M = \Omega_{m} - \Omega_{m-1} = (28 + 4m) - (28 + 4m - 1)$$

$$28 + 4m - 4$$

$$\pi = 28 + 4m - 28 - 4n + 4$$
 $\pi = 47$ 

$$\frac{1}{23} PA \left( x - \pi, x, x + \pi \right)$$

$$\frac{1}{(x - \pi)(x + \pi)} = 560$$

$$(x-\pi)(x+\pi) = 560$$

$$y = 32 \implies x.32 = 384.2$$

$$x = 24 \text{ cm}$$
AABC e' retaingulo
Ten. de Pitagonas
$$2^{2} = 34^{2} + 32^{2} = (8.3)^{2} + (8.4)^{2}$$

$$2^{2} = 8.3^{2} + 8.4^{2} = 8^{2}.(9+16) = 8.25$$

$$2 = 8.5$$

$$2 = 40 \text{ cm}$$

perimetro: 41

diagonal: 
$$1\sqrt{2}$$

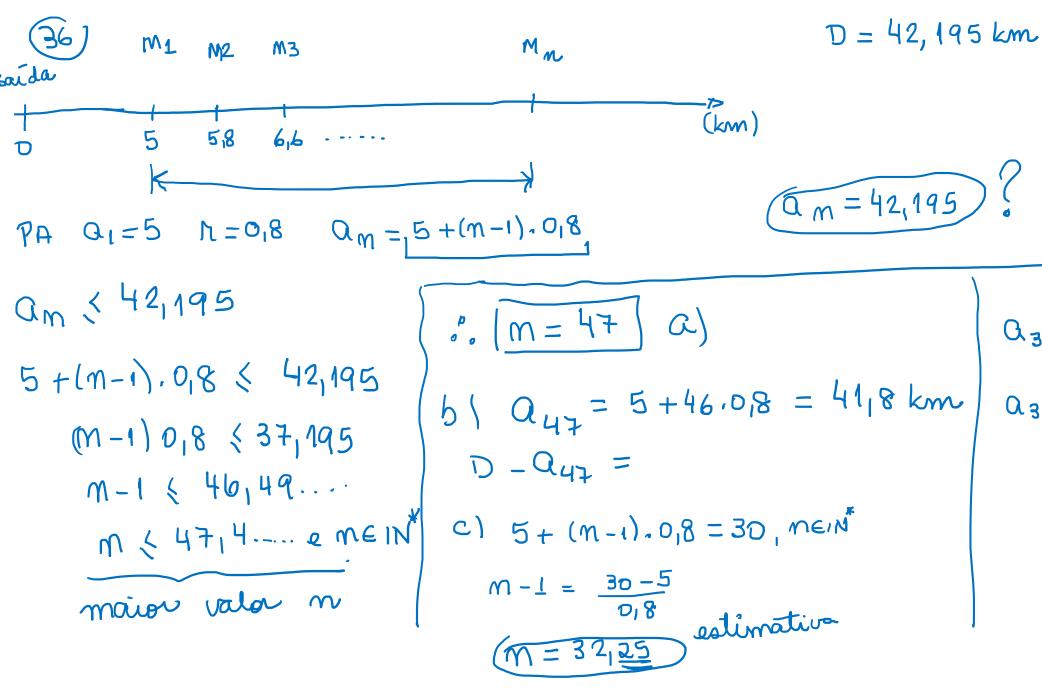
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Prop. Me'dia Aritm  $a_3 - a_2 = a_2 - a_1$ 1 = Ja-4 (0 nas convern, pois 170 Logo, os nos não formann PA

(24) PA (x-r, x, x+r) decrescente rco  $|(\chi-\pi)^2+\chi^2+(\chi+\pi)^2=126$  $\int \chi - L = \chi + \chi + \pi \left( \Pi \right) \longrightarrow \left| \chi = -2\pi \right|$  $3x^2 + 2\pi^2 = 126$  $4, \quad \chi = -2/7$  $3.(-2\pi)^2 + 2\pi^2 = 126$  $3.4n^2 + 2n^2 = 126$ 1422 = 126 1 - 9 · \_ r= 3 ou r= -3/

Soma de quadrados a<sup>2</sup> + b<sup>2</sup> quadra do da poma (a+5)<sup>2</sup>

seq. de quadrades (Q1, Q2, Q31...) ( peto 3 terms pl provar que e PA) P1cm (71+16)an [71+2.16] cru perimetro Vijenno bi « Li=Te (P1, P1+16, P1+2.16, ....) PA P1+2.16=80 -> P1=48cm a) p1=46 = 12cm



Q32 = 5+31.018 = 29,8

Q33 = 5 + 32.018 = 30/6