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(92)

	gr	Pureza	Plata pura
1:	200	90%	$200 \cdot 0.90 = 180$ gr de plata
2:	300	80%	$300 \cdot 0.80 = 240$ gr de plata
	<hr/>		<hr/>
total =	500 gr		420 gr de plata

$$\frac{500}{420} = \frac{100}{x} \quad || \times = \frac{420 \cdot 100}{500} = \underline{\underline{84\%}}$$

(11)

$$a) a_n = \frac{1}{2} + (n-1) \cdot \frac{1}{2} = \frac{1}{2} + \frac{1}{2}n - \frac{1}{2} =$$

$$= \frac{1}{2}n \Rightarrow \boxed{a_n = \frac{1}{2}n}$$

$$b) a_n = 25 + (n-1) \cdot (-3) = 25 - 3n + 3 = 28 - 3n$$

$$\underline{\underline{a_n = 28 - 3n}}$$

(12)

$$a_n = 5 + (n+1) \cdot (-2) = 5 - 2n + 2 = \underline{\underline{7 - 2n}}$$

$$\underline{\underline{a_n = 7 - 2n}}$$

(13)

$$a_1 = a_3 - (3-1) \cdot 7 = 9 - 14 = -5 // \underline{\underline{a_1 = -5}}$$

$$a_n = -5 + (n-1) \cdot 7 = -5 + 7n - 7 = \underline{\underline{7n - 12}}$$

$$\underline{\underline{a_n = 7n - 12}}$$

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(14) $d = 2$

$$a_1 = a_6 - (6-1) \cdot 2 = 17 - 10 = 7 \quad // \quad \underline{\underline{a_1 = 7}}$$

$$a_n = 7 + (n-1) \cdot 2 = 7 + 2n - 2 = \underline{\underline{5 + 2n}}$$

$$\underline{\underline{a_n = 5 + 2n}}$$