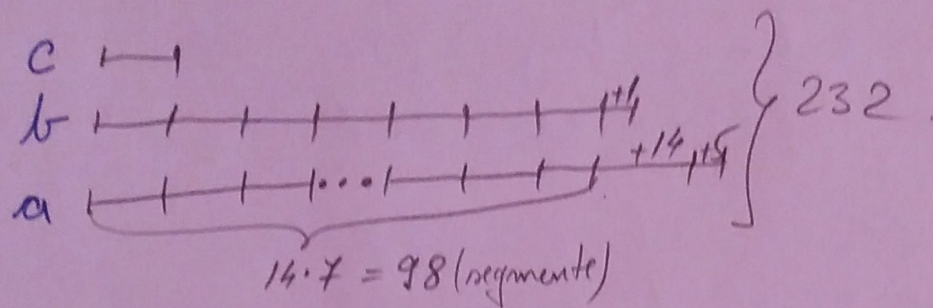


$$12. \quad a + b + c = 232$$

$$a : b = 14 : 5 \Rightarrow a = 14 \cdot b + 5$$

$$b : c = 7 : 1 \Rightarrow b = 7 \cdot c + 1$$



$$232 - (1 + 14 + 5) = 232 - 20 = 212 \quad (106 \text{ segmente egale})$$

$$212 : 106 = 2 \quad (c)$$

$$2 \times 7 + 1 = 14 + 1 = 15 \quad (b)$$

$$14 \cdot 15 + 5 = 210 + 5 = 215 \quad (a)$$

$$R: 215, 15, 2$$

Sau

$$a + b + c = 232$$

$$a : b = 14 : 5 \Rightarrow a = 14 \cdot b + 5 \Rightarrow a = 14 \cdot (7 \cdot c + 1) + 5$$

$$b : c = 7 : 1 \Rightarrow b = 7 \cdot c + 1$$

$$a = 14 \cdot 7 \cdot c + 14 + 5 = 98 \cdot c + 19 \Rightarrow a = 98 \cdot c + 19$$

$$98 \cdot c + 19 + 7 \cdot c + 1 + c = 232$$

$$106c + 20 = 232$$

$$106c = 232 - 20 \Rightarrow 106c = 212 \Rightarrow c = 212 : 106$$

$$c = 2$$

$$b = 7 \cdot c + 1 = 7 \cdot 2 + 1 = 15 \Rightarrow b = 15$$

$$a = 14 \cdot 15 + 5 = 210 + 5 = 215$$

$$R: 2, 15, 215$$

$$13. \quad a + b + c = 297$$

$$a : b = 2 \text{ k } 25 \Rightarrow a = 2 \cdot b + 25$$

$$a : c = 11 \text{ k } 8 \Rightarrow a = 11 \cdot c + 8$$

$$a + b + c = 297 \Rightarrow (2 \cdot b + 25) + b + c = 297$$

$$a + b + c = 297 \Rightarrow (11 \cdot c + 8) + b + c = 297$$

$$3b + c = 297 - 25 \Rightarrow 3b + c = 272$$

$$b + 12c = 297 - 8 \Rightarrow b + 12c = 289$$

$$3b \quad \dots \quad c \quad \dots \quad 272$$

$$b \quad \dots \quad 12c \quad \dots \quad 289 \quad / \cdot 3.$$

$$3b \quad \dots \quad c \quad \dots \quad 272$$

$$3b \quad \dots \quad 36c \quad \dots \quad 867$$

le même / $\dots \dots 35c \quad \dots \dots 595$

$$35c = 595 \Rightarrow c = 595 : 35 \Rightarrow \boxed{c = 17}$$

$$a = 11 \cdot c + 8 = 11 \cdot 17 + 8 = 187 + 8 = 195 \Rightarrow \boxed{a = 195}$$

$$a = 2 \cdot b + 25 \Rightarrow 195 = 2 \cdot b + 25 \Rightarrow 2b = 195 - 25 \Rightarrow$$

$$\Rightarrow 2b = 170 \Rightarrow b = 170 : 2 \Rightarrow \boxed{b = 85}$$

$$14. \quad a - b = 139$$

$$a : 2b = 10 \text{ k } 6 \Rightarrow a = 2 \cdot b \cdot 10 + 6 \Rightarrow a = 20 \cdot b + 6$$

$$a - b = 139 \Rightarrow 20 \cdot b + 6 - b = 139 \Rightarrow 19b = 139 - 6$$

$$19b = 133 \Rightarrow b = 133 : 19 \Rightarrow \boxed{b = 7}$$

$$a - 7 = 139 \Rightarrow a = 139 + 7 \Rightarrow \boxed{a = 146}$$