

La un magazin s-au adus 103 kg de lactate. Întreaga cantitate s-a vândut în trei zile. Să se afle câte kg de lactate s-au vândut în fiecare zi, dacă în prima zi s-au vândut jumătate decât a doua zi, iar în a treia zi s-au vândut cu 7 kg mai mult decât s-au vândut în primele două zile la un loc.

Rezolvare

$$\underline{I} = \underline{II} : 2 \Rightarrow \underline{II} = 2 \times \underline{I}$$

$$\underline{III} = 7 + \underline{I} + \underline{II}$$

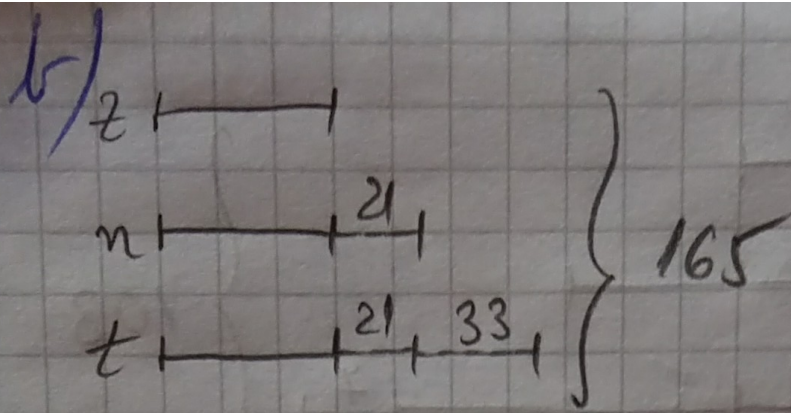
$$\underline{I} + \underline{II} + \underline{III} = 103$$

$$103 - 7 = 96 \text{ (6 seg egale)}$$

$$96 : 6 = 16 \text{ kg (I zi)}$$

$$16 \times 2 = 32 \text{ kg a II zi}$$

$$7 + 16 + 32 = 55 \text{ kg a III zi}$$



Într-o grădină s-au cules 165 de flori, narcise s-au cules cu 21 mai mult față de zambile, iar trandafiri cu 33 mai mult decât narcisele. Câte flori de fiecare fel s-au cules?

$$n = 21 + z$$

$$t = 33 + n$$

$$z + n + t = 165$$

Rezolvare

$$165 - 21 - 21 - 33 = 144 - 21 - 33 = 123 - 33 =$$

$$= 90 \text{ (3 seq. egale)}$$

$$90 : 3 = 30 \text{ (1 seq.) (zambile)}$$

$$30 + 21 = 51 \text{ (narcise)}$$

$$51 + 33 = 84 \text{ (trandafiri)}$$

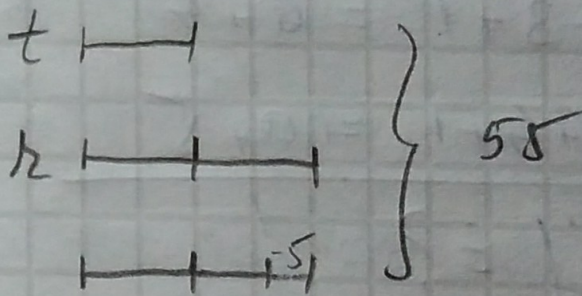
$$23. \quad r = 2 \times t$$

$$f = r - 5$$

$$r + t + f = 55$$

$$r, f, t = ?$$

Rezolvare



$$55 + 5 = 60 \quad (5 \text{ seg. egale})$$

$$60 : 5 = 12 \text{ lei (tricoul)}$$

$$2 \times 12 = 24 \text{ lei (rochita)}$$

$$24 - 5 = 19 \text{ lei (fustita)}$$

24. a, b, c, d, e, f

$$f = 2 \times a$$

$$b = a + 1$$

$$c = b + 1 = a + 1 + 1 = a + 2$$

$$d = c + 1 = a + 2 + 1 = a + 3$$

$$e = d + 1 = a + 3 + 1 = a + 4$$

$$\underline{f = e + 1 = a + 4 + 1 = a + 5}$$

$a, b, c, d, e, f = ?$

Rezolvare

$a \quad | \quad |$

$f \quad | \quad | \quad | \quad | \quad |$
5

$$a = 5$$

$$f = 2 \times 5 = 10$$

$$b = 5 + 1 = 6$$

$$c = 5 + 2 = 7$$

$$d = 5 + 3 = 8$$

$$e = 5 + 4 = 9$$

R: 5, 6, 7, 8, 9, 10.

25. a, b, c

$$a:4 = b:3 = c:2$$

$$a = b \times 2 - 40 \Rightarrow b \times 2 = a + 40$$

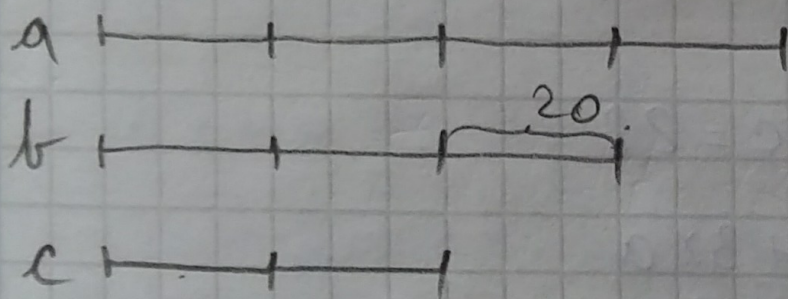
$$\Rightarrow b = (a + 40) : 2$$

$$\Rightarrow b = a : 2 + 40 : 2$$

$$\Rightarrow b = a : 2 + 20$$

$a, b, c = ?$

Resolmare



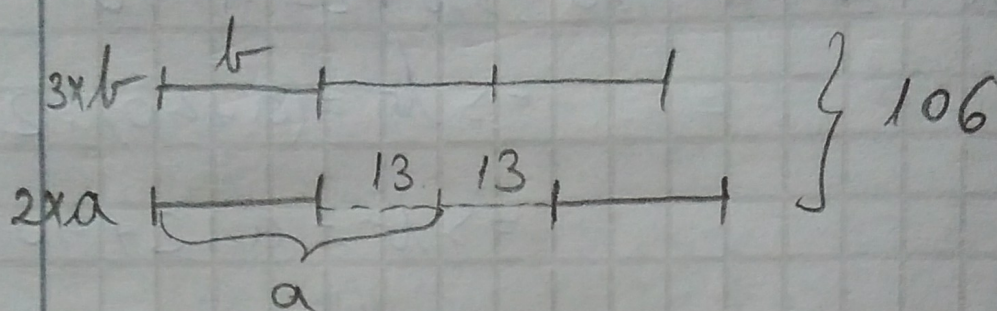
$$4 \times 20 = 80 (a)$$

$$3 \times 20 = 60 (b)$$

$$2 \times 20 = 40 (c)$$

$$26. \quad 2 \times a + 3 \times b = 106$$

$$a = 13 + b$$



$$106 - 13 - 13 = 93 - 13 = 80 \quad (5 \text{ seg ega})$$

$$80 : 5 = 16 \quad (1 \text{ segment}) \quad (b)$$

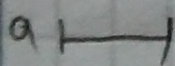
$$16 + 13 = 29 \quad (a)$$

$$27. \quad a + b + c = 28$$

$$b = 3 + 3 \times a$$

$$c = 3 + 3 \times b$$

$$\underline{a, b, c = ?}$$



$$28 - 3 - 3 - 9 = 28 - 15 = 13 \quad (13 \text{ seg ega})$$

$$13 : 13 = 1 \quad (1 \text{ segment}) \quad (a)$$

$$3 \times 1 + 3 = 3 + 3 = 6 \quad (b)$$

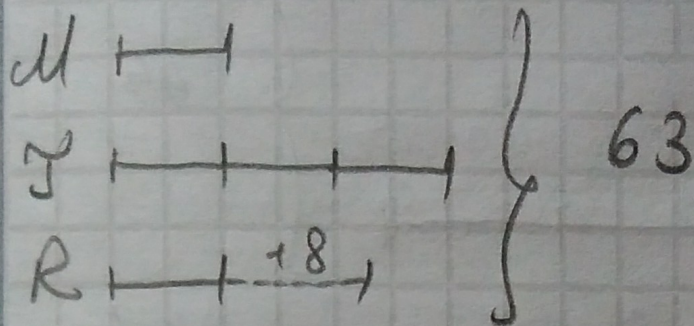
$$9 \times 1 + 3 + 9 = 9 + 12 = 21 \quad (c)$$

$$28. J + M + R = 63$$

$$J = 3 \times M$$

$$R - 4 = M + 4 \Rightarrow R = M + 8$$

$$J, M, R = ?$$



$$63 - 8 = 55 \text{ (5 seq. egale)}$$

$$55 : 5 = 11 \text{ (1 seq.) cartonase are Matei}$$

$$11 \times 3 = 33 \text{ cartonase Teodor}$$

$$11 + 8 = 19 \text{ cartonase Robert}$$

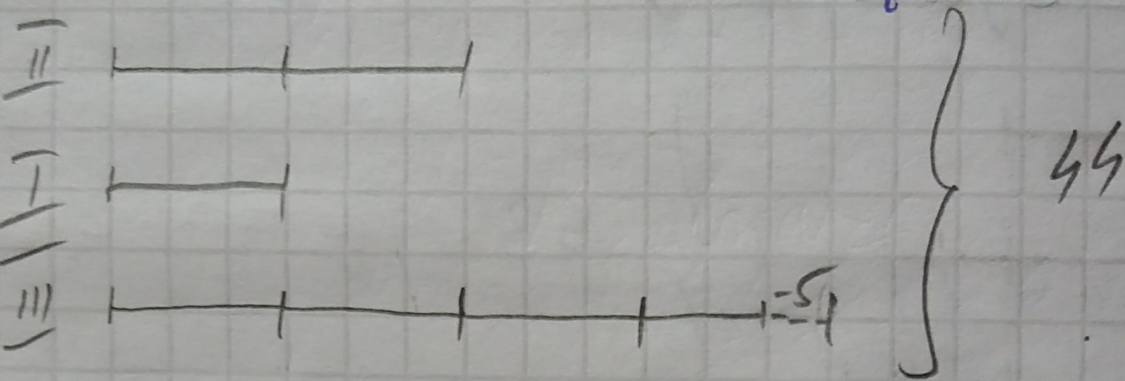
$$29, \quad \underline{I} + \underline{II} + \underline{III} = 44 \text{ ghiocei}$$

$$\underline{I} = \underline{II} \cdot 2$$

$$\underline{III} = 2 \times \underline{II} - 5$$

$$\underline{I}, \underline{II}, \underline{III} = ?$$

Rezolvare



$$44 + 5 = 49 \text{ (7 seg. egale)}$$

$$49 : 7 = 7 \text{ ghiocei (1 segment) a cules}$$

I fata

$$2 \times 7 = 14 \text{ ghiocei a cules a } \underline{II}^a \text{ fata}$$

$$2 \times 14 - 5 = 28 - 5 = 23 \text{ ghiocei a cules}$$

a III^a fata

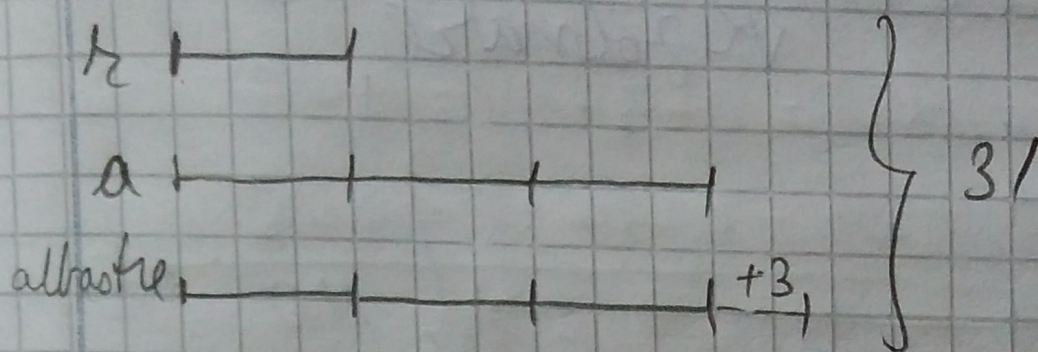
$$30, a + r + albastre = 31 \text{ zambile}$$

$$a = 3 \times r$$

$$\underline{a = albastre - 3} \Rightarrow \underline{albastre = a + 3}$$

$$\underline{a, r, albastre = ?}$$

Rezolvare



$$31 - 3 = 28 \text{ (7 seg. egale)}$$

$$28 : 7 = 4 \text{ zambile roz (1 segment)}$$

$$3 \times 4 = 12 \text{ zambile albe}$$

$$12 + 3 = 15 \text{ zambile albastre}$$

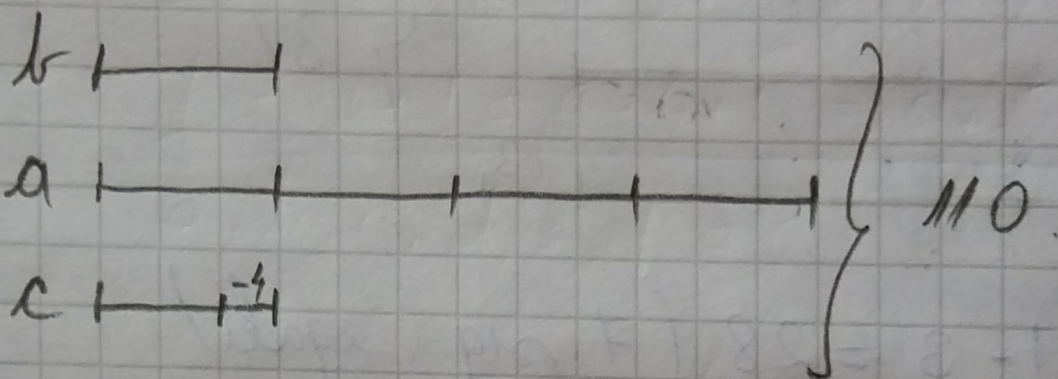
$$31, \quad a : b = 4 \Rightarrow a = 4 \times b$$

$$b - c = 4 \Rightarrow c = b - 4$$

$$a + b + c = 110$$

$$a, b, c = ?$$

Rezolvare



$$110 + 4 = 114 \quad (6 \text{ segmente egale})$$

$$114 : 6 = 19 \quad (1 \text{ segment}) \quad (b)$$

$$4 \times 19 = 76 \quad (a)$$

$$19 - 4 = 15 \quad (c)$$