b. Fie numerele a, b, c trei nr. consecutive

$b = a+1$

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

$a+b+c = 93$

$a+(a+1)+(a+2) = 93 \Leftrightarrow a+a+1+a+2 = 93 \Leftrightarrow$

$\Leftrightarrow 3 \times a + 3 = 93 \Rightarrow 3 \times a = 93 - 3$

$3 \times a = 90$

$a = 90 : 3 = 30.$

$b = 30+1 = 31$

$c = b+1 = 31+1 = 32.$

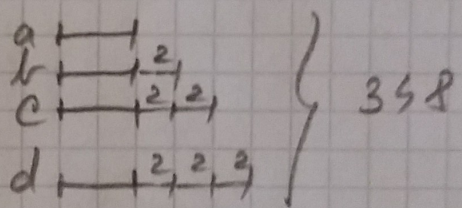
R: 30, 31, 32.

c. Fie a, b, c, d cele patru nr. consecutive pare

$b = a+2$

$c = b+2 = a+2+2 = a+4$

$d = c+2 = a+4+2 = a+6$



$3 \times (a+b+c+d) = 1044$

$a+b+c+d = 1044 : 3$

$a+b+c+d = 348$

$a+a+2+a+6+a+4 = 348.$

$4 \times a = 348 - 12$

$4 \times a = 336$

$a = 336 : 4 = 84$

$b = 84+2 = 86$

$c = 86+2 = 88$

$d = 88+2 = 90.$

sau

$348 - 12 = 336$ (4 segmente egale)

$336 : 4 = 84$ (a)

$84+2 = 86$ (b)

$84+4 = 88$ (c)

$84+6 = 90$ (d)

R: 84, 86, 88, 90.

(2) a) $[420 : (160 - 500 : 4) + 25 \times 4] \times 100 =$

$= [420 : (160 - 125) + 100] \times 100 =$

$= (420 : 35 + 100) \times 100 =$

$= (12 + 100) \times 100 = 112 \times 100 = 11\,200$

b) $a = 15 - 3 \times 6 : (3 \times 3 \times 3 : 3 + 0 : 5) + 30 : (3 : 3 + 5) =$

$= 15 - 18 : (9 \times 3 : 3 + 0) + 30 : (1 + 5) =$

$= 15 - 18 : (27 : 3) + 30 : 6 =$

$= 15 - 18 : 9 + 5 = 15 - 2 + 5 = 13 + 5 = 18$

$b = 25 + [7 \times 2 \times 18 : 2 - 5 \times (5 \times 4 - 36 : 3)] =$

$= 25 + [14 \times 18 : 2 - 5 \times (20 - 12)] =$

$= 25 + (252 : 2 - 5 \times 8) =$

$= 25 + (126 - 40) = 25 + 86 = 111$

$a + b = 18 + 111 = 129$

$a - b = 18 - 111 = -93$ (cum că trebuia $b - a$)

$b - a = 111 - 18 = 93$

$a \times b = 18 \times 111 = 1998$