

18/11/20

$$\begin{aligned}
 \textcircled{43} \quad c) & \quad 3^4 - 2 \cdot 3^3 + 5 \cdot 3^2 - 6 \cdot 3 + 3^0 = \\
 & = 81 - 2 \cdot 27 + 5 \cdot 9 - 6 \cdot 3 + 1 = \\
 & = \underline{81 - 54} + 45 - 18 + 1 = \\
 & = \underline{27 + 45} - 18 + 1 = \\
 & = \underline{72 - 18} + 1 = \\
 & = 54 + 1 = 55
 \end{aligned}$$

$$\begin{aligned}
 d) & \quad 5 - 3 \cdot [4 - 12 : (-6)]^2 = \\
 & = 5 - 3 \cdot [4 - (-2)]^2 = \\
 & \quad \quad \quad \downarrow \\
 & = 5 - 3 \cdot [4 + (+2)]^2 = \\
 & = 5 - 3 \cdot 6^2 = \\
 & = 5 - \underline{3 \cdot 36} = \\
 & = 5 - 108 = \\
 & = -103
 \end{aligned}$$

$$\begin{aligned}
 e) & \quad 0 - (-2^3) - 3 \cdot [5^2 - (4^2 - 2^2)] = \\
 & = 0 - (-8) - 3 \cdot [25 - (16 - 4)] = \\
 & = 0 - (-8) - 3 \cdot [25 - 12] = \\
 & = 0 - (-8) - 3 \cdot 13 =
 \end{aligned}$$

$$\begin{aligned}
 &= 0 - (-8) - 39 = \\
 &= 0 + (+8) - 39 = \\
 &= -31
 \end{aligned}$$

Página 61

$$\begin{aligned}
 \textcircled{83} \text{ a) } & 5 - 7 \cdot (-1)^3 + \sqrt{(-1)^4} + 2 \cdot 5 = \\
 &= 5 - 7 \cdot (-1) + \sqrt{1} + 2 \cdot 5 = \\
 &= 5 - 7 \cdot (-1) + 1 + 2 \cdot 5 = \\
 &= 5 - (-7) + 1 + 10 = \\
 &= 5 + (+7) + 1 + 10 = \\
 &= 23
 \end{aligned}$$

$$\begin{aligned}
 \text{c) } & \sqrt{2^2} - 3 \cdot (-2)^2 \cdot 5 + 4^3 : 2^4 = \\
 &= \sqrt{4} - 3 \cdot 4 \cdot 5 + 64 : 16 = \\
 &= 2 - 3 \cdot 4 \cdot 5 + 64 : 16 = \\
 &= 2 - 60 + 4 = \\
 &= -58 + 4 = \\
 &= -54
 \end{aligned}$$

$$\begin{aligned}
 d) & \sqrt{16} - 3 \cdot 2^2 - (-2)^0 \cdot [3 \cdot 2^2 - (5-3)^2] = \\
 & = 4 - 3 \cdot 4 - 1 \cdot [3 \cdot 4 - 2^2] = \\
 & = 4 - 3 \cdot 4 - 1 \cdot [3 \cdot 4 - 4] = \\
 & = 4 - 12 - 1 \cdot [12 - 4] = \\
 & = 4 - 12 - 1 \cdot 8 = \\
 & = 4 - 12 - 8 = \\
 & = -16
 \end{aligned}$$

Página 62

94) $10 \cdot 10 \cdot 10 = 10^3 = 1000$
 En total hay 1000 caramelos.

95) a) $64 = 8^2$ bytes

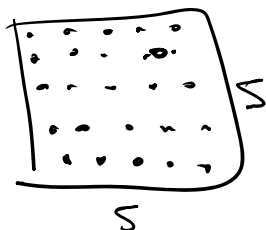
b) $64 = 2^6$

$$\begin{array}{r|l}
 64 & 2 \\
 32 & 2 \\
 16 & 2 \\
 8 & 2 \\
 4 & 2 \\
 2 & 2 \\
 1 & 2
 \end{array}$$

c) $64 = 4^3$

$$\begin{array}{r|l}
 64 & 4 \\
 16 & 4 \\
 4 & 4 \\
 1 & 4
 \end{array}$$

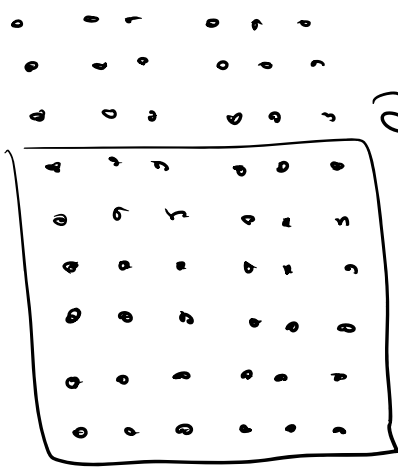
96)



$$5^2 + 3 = 25 + 3 = 28$$

Hay 28 alumnos

101



a) No y sobran 18

b) Hay $9 \cdot 6 = 54$
El primer cuadrado es $64 = 8^2$

Hay que meter $64 - 54 = 10$ personas

