

# TAREA: Pag 6: 1, 2, 3, 4, 5

01. Indicar verdadero o falso

| Proposición   | V/F |
|---|-----|
| El valor de "M" es 460 166; s.p:<br>$M = 82 + 84 + 86 + \dots + 1364$ | F   |
| El valor de H es 26 334; s.p:<br>$9 + 18 + 27 + 36 + \dots + 684 = H$ |     |

$$\Rightarrow 2n = 1364$$

$$n = 682$$

$$M = 2n = 80$$

$$n = 40$$

$$M = 682 \times 683 - 40 \times 41 = \underline{464166}$$

02. Hallar:  $L = 1 + 2 + 3 + \dots + 876$

$$\rightarrow \frac{876(876+1)}{2} = \frac{168252}{2} = 384126$$

03. Hallar:  $M = 2 + 4 + 6 + \dots + 3028$

$$\rightarrow 2n = 3028$$

$$n = 1514$$

$$\Rightarrow 1514(1514+1)$$

$$1514(1515) = 2293710$$

04. Hallar:  $P = 1 + 3 + 5 + \dots + 52711$

$$\begin{aligned} 2n - 1 &= 52711 \\ n &= 26356 \end{aligned}$$

$$\Rightarrow 26356^2 = 694638736$$

05. Hallar:  $Z = 1 + 4 + 9 + \dots + 804609$

$$Z = 1^2 + 2^2 + 3^2 + \dots + 897^2$$

$$Z = \frac{897(897+1)(2(897)+1)}{6}$$

$$Z = \frac{897(898)(1795)}{6}$$

$$Z = 240980545$$