

Procedimiento

1 $b_1 = 0 \cdot 6$

$b_2 = 0 \cdot 2 + 4 = 4$
 $b_3 = 1 \cdot 4 = 4$
 $b_4 = 4 \cdot 4 = 16$
 $b_5 = 16 \cdot 4 = 64$
 $b_6 = 64 \cdot 4 = 256$

2

$a_1 = 2 \cdot 2 \cdot 1 = 4$
 $a_n = 0 \cdot 2 = a_{n-1}$
 $a_n \cdot a_3 = 0 \cdot 2 = 0$
 $a_n = 2 \cdot 3 \cdot 2 \cdot 3 = 36$

3

$a_1 = 1 \cdot 2$
 $a_{n+1} = a_n - \frac{1}{2}$
 $\frac{2}{3} \cdot 2 = \frac{4}{3}$
 $\frac{4}{3} - \frac{1}{2} = \frac{8-3}{6} = \frac{5}{6}$
 $a = -2$

4

$a_1 = 4 \cdot 4 = 16$
 $a_2 = 4 \cdot 3 = 12$
 $a_3 = 12 \cdot 3 = 36$
 $a_4 = 36 \cdot 3 = 108$
 $a_5 = 108 \cdot 3 = 324$
 $a_6 = 324 \cdot 3 = 972$
 $a_7 = 972 \cdot 3 = 2916$
 $a_8 = 2916 \cdot 3 = 8748$
 $a_9 = 8748 \cdot 3 = 26244$
 $a_{10} = 26244 \cdot 3 = 78732$

5

$$\sum_{n=1}^5 \frac{5 \cdot n - 7}{n} = \frac{5 \cdot 1 - 7}{1} + \frac{5 \cdot 2 - 7}{2} + \frac{5 \cdot 3 - 7}{3} + \frac{5 \cdot 4 - 7}{4} + \frac{5 \cdot 5 - 7}{5}$$

$$= \frac{5 \cdot 4 - 7}{4} + \frac{5 \cdot 3 - 7}{3} + \frac{5 \cdot 2 - 7}{2} + \frac{5 \cdot 1 - 7}{1} + \frac{5 \cdot 0 - 7}{0}$$

$$= \frac{3 \cdot 9 - 7}{9} = \frac{2}{3} + \frac{6 \cdot 7}{2} + \frac{9 \cdot 7}{3} + \frac{12 \cdot 7}{4} + \frac{15 \cdot 7}{5}$$

$$= \frac{18 - 7}{6} = \frac{27 - 7}{8} + \frac{27 - 7}{9} = \frac{2 + 3}{2} + \frac{8}{3} + \frac{77}{4}$$

$$\frac{14}{5} + \frac{19}{6} + \frac{20}{7} + \frac{23}{8} + \frac{26}{9} = \frac{60911}{2520}$$

$14 = a + 19$
 4
 $37, 41$

6

$$\sum_{n=1}^6 \frac{1}{2n} = \frac{49}{40}$$

$$\frac{19}{40} = 122$$

7

$$\sum_{n=1}^5 5 \left(\frac{2}{7}\right)^{n-1}$$

$$55 = \frac{3355}{2401}$$

8

$$\frac{42,350,356}{7} = 60,5000$$

$$9 \quad 3n = (4^n - 1) / 4 - 1$$

10

$$\frac{3}{5} / \frac{3}{5} = 2.6$$

$$2.3$$