

Oefening Rijen

ANTWOORDEN

1

a $\sum_{k=1}^{k=25} (7k - 3) = 0,5 \times 25 \times (4 + 172) = 2200$

b $9 \times r \times r = 81$ dus $r = 3$

som = $1 \cdot \frac{1-3^{15}}{1-3} = 7174453$

2

a $s_1 = 2$ $s_2 = 10$ $s_3 = 36$ $s_4 = 116$ $s_5 = 358$

b $u(1) = 2$ $u(2) = 8$ $u(3) = 26$ $u(4) = 80$ $u(5) = 242$

c duidelijk.

d $6, 18, 54, 162, \dots$

e $6 \cdot 3^{(n-1)}$.

f $u(n) = u(n-1) + 6 \cdot 3^{(n-1)}$

3

a $6, 24, 54, 96, 150, 216, \dots$

b $n^2 \cdot 6$

c $18, 30, 42, 54, 66$ steeds 12 er bij.

d duidelijk

4

a $4, 10, 22.$

b $3, 6, 12, 15, 21$