

Antwoorden SE1 – oefenmateriaal - V5 wiskunde C

1a	$u_n = u_{n-1} + 3$ met $u_0 = 48$ $u_n = 48 + 3n$
1b	$u_n = \frac{1}{2} \cdot u_{n-1}$ met $u_0 = 20$ $u_n = 20 \cdot \left(\frac{1}{2}\right)^n$
2	$u_n = 3 + 4n$ $u_n = 21 - 2n$
3	$u_n = 4 \cdot (1,5)^n$ $u_n = 4800 \cdot \left(\frac{1}{2}\right)^n$
4	Zelfde antw. als bij opg. 2 & 3.
5a	$u_n = 2200 \cdot 1,02^n$ $u_n = 1,02 \cdot u_{n-1}$ met $u_0 = 2200$
5b	2051
6a	$t_n = 232 + 3n$ $t_n = t_{n-1} + 3$ met $t_1 = 235$
6b	4 min. 13 sec.
7a	$u_n = 150 - 4n$
7b	$u_n = \frac{2}{3} \cdot 3^n$
8a	489
8b	11,97
9	6
10	17, 56, 183, 611, 2018, 6665, 22013
11	9, 34, 115, 1271, 14496
12a	$u_n = 11,3 \text{ mjd} \cdot 1,074^n$
12b	54 mjd dollar
13a	$c_n = 156 - 6n$
13b	$F_n = 80 + 15n$
13c	$b_n = 84\frac{3}{8} \cdot \left(1\frac{1}{8}\right)^n$
13d	$K_n = 650 \cdot 0,95^n$
13e	$t_n = 26\frac{2}{3} \cdot 1,2^n$
14	10^e
15a	797,75
15b	17^e
16a	516
16b	6
16c	22
17	$R_n = R_{n-1} + 2n$ met $R_0 = 0$
18	$V_n = V_{n-1} + 3n - 2$ met $V_0 = 0$
19a	$\frac{4}{3}$
19b	$\frac{1}{4}$
19c	5500
20a	1225
20b	1060
21a	15
21b	15
21c	$t = 4,30 \text{ km/uur}$
21d	$t = 1,5$ en $t = 6$

1a	1291/1296														
1b	427/432														
2a	0,370														
2b	0,048														
2c	0,173														
3a	0,328														
3b	0,738														
3c	0,336														
4a	0,197														
4b	0,017														
4c	0,046														
5a	<table><tr><td>X</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>$P(X = x)$</td><td>4/7</td><td>2/7</td><td>4/35</td><td>1/35</td></tr></table>	X	1	2	3	4	$P(X = x)$	4/7	2/7	4/35	1/35				
X	1	2	3	4											
$P(X = x)$	4/7	2/7	4/35	1/35											
5b	$E(X) = 1,6 \quad \sigma_X = 0,8$														
6	-1 euro														
7a	0,576														
7b	0,998														
8a	0,246														
8b	0,081														
9a	0,085														
9b	0,002														
10	140														
11a	68%														
11b	95%														
12a	0,0002														
12b	0,040														
12c	0,002														
12d	0,012														
13	59,9%														
14a	0,079														
14b	0,079														
15a	0,000000002														
15b	1,75														
15c	$n > 173$														
16a	0,802														
16b	0,669														
17a	0,1388														
17b	$E(W) = -0,26 \quad \sigma_W = 5,05$														
17c	-0,28														
18a	0,306														
18b	1,6%														
19	0,007														