



**EVA**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

**EVA-11**

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Figure 1 consists of two schematic diagrams, labeled 'a)' and 'b)', representing a 1000m x 1000m area. Diagram 'a)' shows a 10x10 grid of 100 cells, each 500m x 500m. The central 4x4 grid of cells (16 cells) contains a pattern of black and white squares, while the outer 6x6 grid of cells (36 cells) is empty. Diagram 'b)' shows a 10x10 grid of 100 cells, each 100m x 100m. The central 4x4 grid of cells (16 cells) contains a pattern of black and white squares, while the outer 6x6 grid of cells (36 cells) is empty.

**a**

•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•

**b**

•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•

QUESTION		ANSWER	
1	What is the purpose of the 'if' statement?	to execute a block of code only if a certain condition is true	
2	What is the purpose of the 'while' loop?	to execute a block of code repeatedly as long as a certain condition is true	
3	What is the purpose of the 'for' loop?	to execute a block of code a certain number of times	
4	What is the purpose of the 'break' statement?	to exit a loop prematurely	
5	What is the purpose of the 'continue' statement?	to skip the current iteration of a loop and move on to the next one	

**6.17**  
**Exercise 1 – Example 1 (cont.)**

