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2008 IMSO Answers

SHORT ANSWER

1.	61	**2.**	20	**3.**	7	**4.**	6	**5.**	46.4 %
6.	H, K	**7.**	21	**8.**	$50(\pi-2)$	**9.**	Carli or C	**10.**	28
11.	45	**12.**	144	**13.**	208	**14.**	$\frac{2}{9}$	**15.**	32
16.	15	**17.**	195	**18.**	50	**19.**	42	**20.**	119°
21.	$\frac{8}{5}$	**22.**	6, 6, 7, 7, 9	**23.**	8034	**24.**	60	**25.**	7

ESSAY PROBLEMS

1.	61°	**2.**	2013	**3.**	125	**4.**	60		
5.	7	**6.**	72	**7.**	12500	**8.**	625 : 1		
9.	115	**10.**	15	**11.**	301	**12.**	55°	**13.**	4

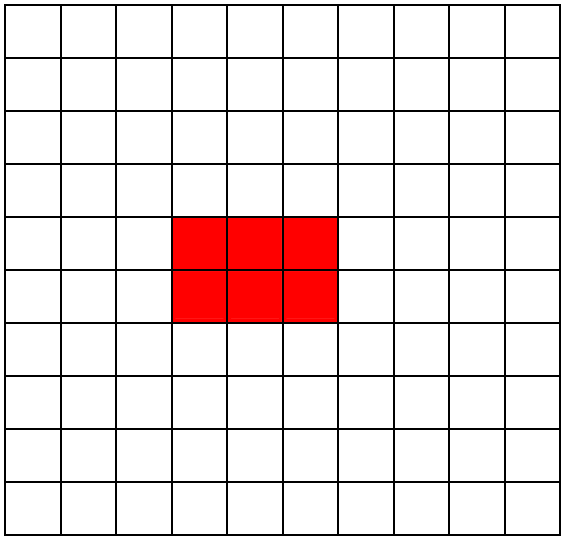
EXPLORATION PROBLEMS

1. 166, 616, 661, 149, 194, 419, 491, 914, 941, 229, 292, 922, 236, 263, 326, 362, 623, 632, 334, 343, 433

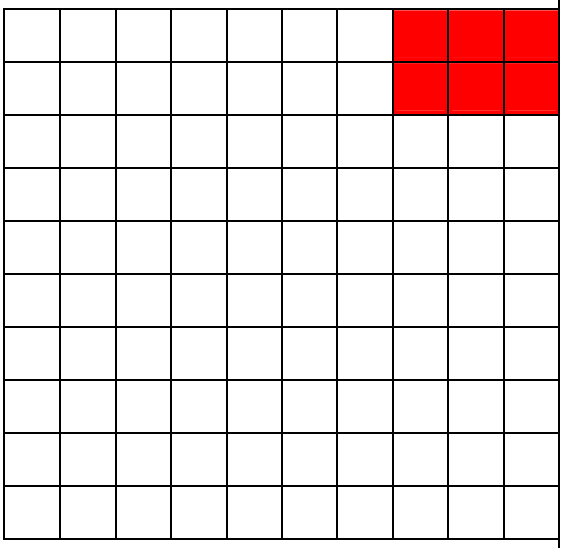
2. A D C B H G F E

3.

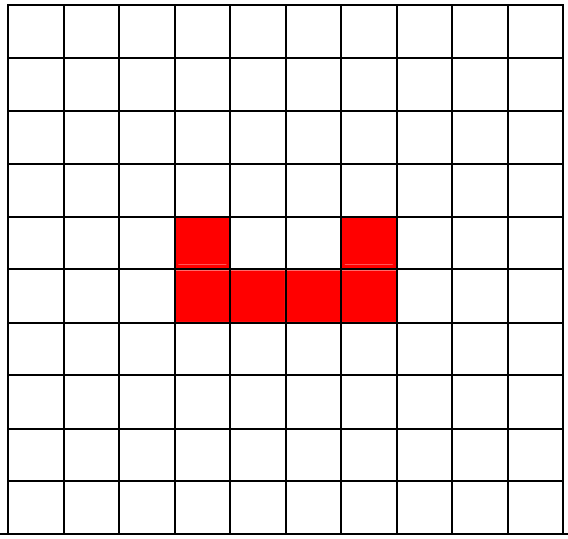
(a)



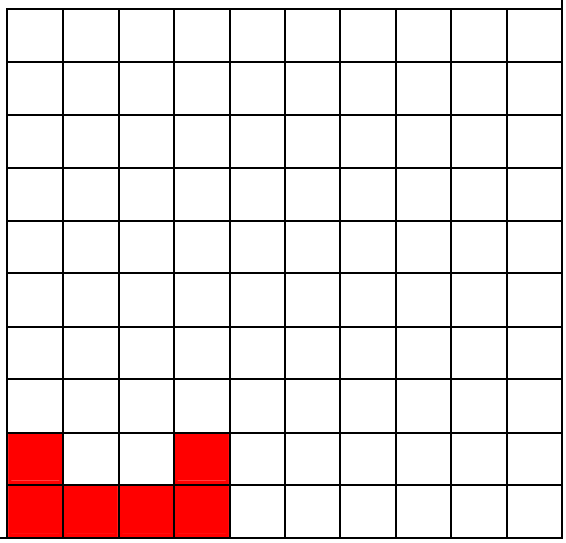
(b)



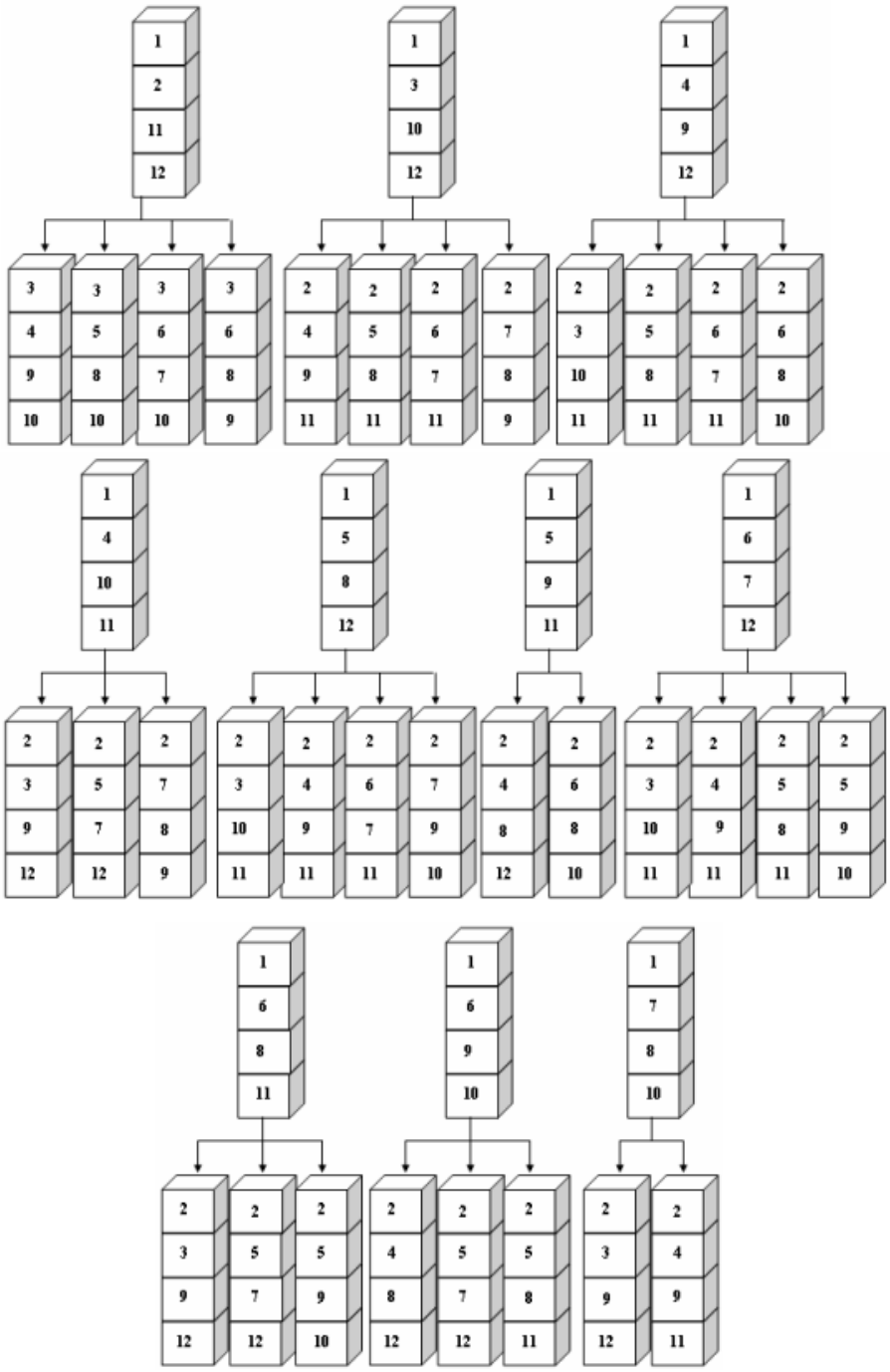
(c)



(d)

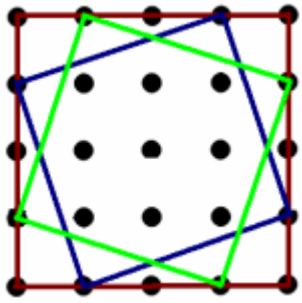


4.

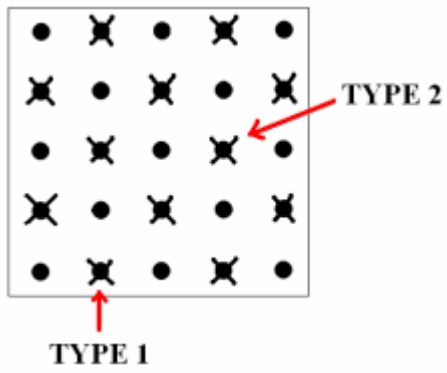


5.

(a)



(b)



6.

2	6	3	1	4	5
9	5	7	8	6	4
3	4	5	6	7	8
7	3	2	8	9	1
9	2	1	7	8	9
4	1	3	5	6	2