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2007 IMSO Answers

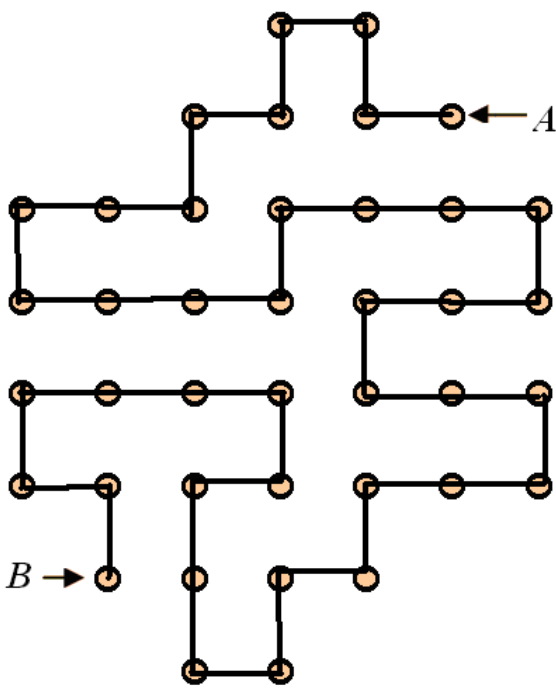
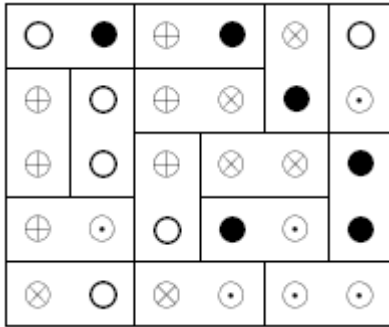
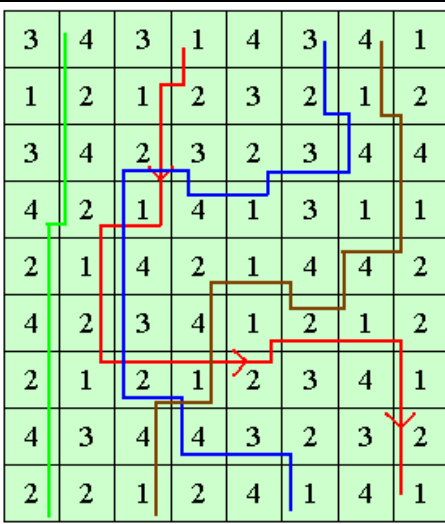
SHORT ANSWER

1.	280	2.	29	3.	24.5	4.	5	5.	342002
6.	$1\frac{3}{20}$	7.	6	8.	1200	9.	73	10.	8
11.	484	12.	3:13	13.	66	14.	8	15.	2
16.	22	17.	25	18.	12°	19.	$6\frac{1}{2}$	20.	16
21.	middle finger	22.	12	23.	3	24.	$1\frac{7}{9}$	25.	1008001

ESSAY PROBLEMS

1.	145000	2.	350	3.	8	4.	72		
5.	2	6.	11	7.	2017	8.	2		
9.	1, 13, 3 and 4	10.	45°	11.	35	12.	42°	13.	1 $\frac{17}{18}$ hours

EXPLORATION PROBLEMS

1.	(a) 376 (b) 117 (c) 230	2.	
3.	(a) On the right (b) On the left (c) $a^2c^2b^2$, ac^2b^2a, $c^2b^2a^2$, cb^2a^2c, $b^2a^2c^2$, ba^2c^2b, $a^2b^2c^2$, ab^2c^2a, $b^2c^2a^2$, bc^2a^2b, $c^2a^2b^2$, ca^2b^2c		
4.		5.	
6.	(a) 14 (b) 55 (c) 7		