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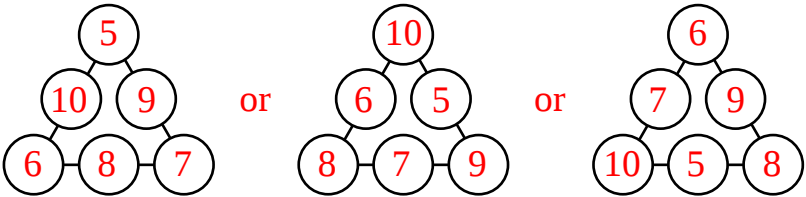
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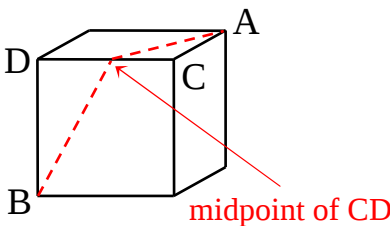
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2005 IMSO Answers

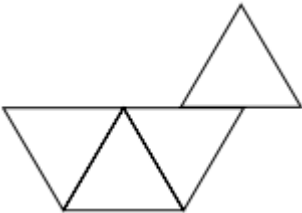
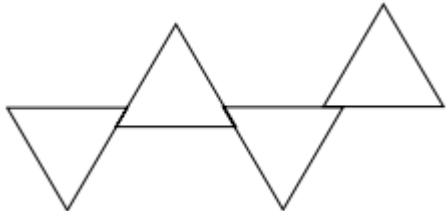
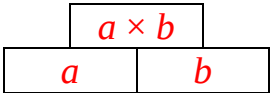
SHORT ANSWER

1.											
2.	20	3.	$\frac{5}{4}$	4.	37	5.	19 million	6.	80.125	7.	Sunday
8.	400	9.	1	10.	A=2, B=2, C=0 A=7, B=2, C=1 A=8, B=3, C=7	11.	13	12.	48	13.	8712
14.	4	15.	12	16.	665.5	17.	3	18.	62	19.	1156
20.	87.75	21.	2904	22.	142857	23.	4:3	24.	20	25.	76

ESSAY PROBLEMS

1.	90	2.	134	3.	4	4.	4		
5.				6.	15	7.	A	8.	128
9.	3579, 9573, 5379, 5973, 5739 and 5793	10.	3	11.	316	12.	334	13.	4.2

EXPLORATION PROBLEMS

1.	(a) 3 (b) 21 (c) 144	2.	(a) 98 (b) 143 (c) 228
3.	(a) Pattern 1: 50 Pattern 2: 25 Pattern 3: $12\frac{1}{2}$	4.	(a)  (b)  (c) 6 (d) 17
5.	(a)  (b) 24 (c) 5, 3, 2, 2; 2, 2, 3, 5; 5, 2, 3, 2; 2, 3, 2, 5.	6.	(a) 12:49 (b) 1:22 (c) 18