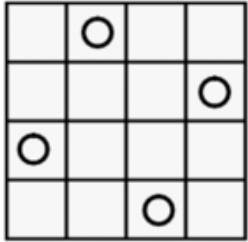
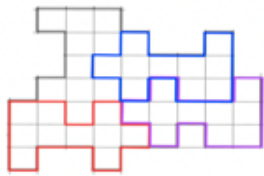


SOLUTIONS

	EASY		MEDIUM		HARD
1	105	1	2	1	39
2	46	2	0	2	875
3	1: $(2+\tan 22.5)$ OR 1: $(1 + \sqrt{2})$	3	385	3	$\frac{\sqrt{3}-3/2}{2}$ OR $(2\sqrt{3}-3)/2$
4	decagon	4	367.5	4	52297 And 67849
5	66562	5	$\frac{2}{3}(2+\sqrt{5})$	5	2005
6		6	75°	6	8.30%
7	4,748,472	7		7	336
8	17:15	8	108°	8	8 and 24
9	96	9	972	9	2592
10	$\frac{L\sqrt{3}}{6}$	10	275	10	2,759,728,048
11	40,260	11	72	11	Padlocks 35 Keys 20
12	16	12	10	12	4045

BONUS 2 ANSWER

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