

Solutions to Attendance Quiz # 2 for Dr. Z.'s MathHistory for Lecture 2

1. Without peeking, construct a 5×5 magic square.

Ans. to 1: We first set-up the **scaffold**

			1		
		2		6	
	3		7		11
4		8		12	16
5	9		13	17	21
	10	14		18	22
		15	19		23
		20		24	
			25		

We now “reflect” on each row and column, putting the integers outside the 5×5 grid in their proper place, getting

3	20	7	20	11
16	8	25	12	4
9	21	13	5	17
22	14	1	18	10
15	2	19	6	23