Magic Squares

Algebra

Name _____

A

6A+2B	7A+9B	2A+4B
A+7B		
Total =15A + 15B		

B

14A-3B		
12A-4B	2A-9B	16A-2B
Total =30A - 15B		

C

-8A		
6A	-4A	
Total = 0		

D

		6B-6A
6A-6B	4B-4A	2B-2A
Total =		

E

N+7		
N+2	N+9	N+4
Total =		

F

2N+6	7N+1	6N+8
		8N+4
Total =		

G

N-3		
8N+4	4N	
3N-1	2N-2	
Total =		

H

		9-3N
	10-2N	
11-N	12	
Total =		

Magic Squares

Algebra Answers

A

6A+2B	7A+9B	2A+4B
A+7B	5A+5B	9A+3B
8A+6B	3A+B	4A+8B

Total =15A + 15B

B

4A-8B	18A-B	8A-6B
14A-3B	10A-5B	6A-7B
12A-4B	2A-9B	16A-2B

Total =30A - 15B

C

2A	4A	-6A
-8A	0	8A
6A	-4A	-2A

Total = 0

D

2A-2B	4A-4B	6B-6A
8B-8A	0	8A-8B
6A-6B	4B-4A	2B-2A

Total = 0

E

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

Total = 3N + 15

F

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

Total = 15N + 15

G

N-3	6N+2	5N+1
8N+4	4N	-4
3N-1	2N-2	7N+3

Total = 12N

H

13+N	8-4N	9-3N
6-6N	10-2N	14+2N
11-N	12	7-5N

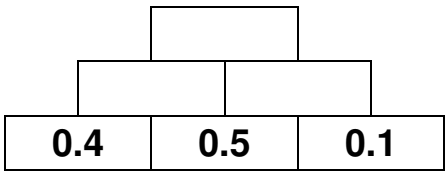
Total = 30 – 6N

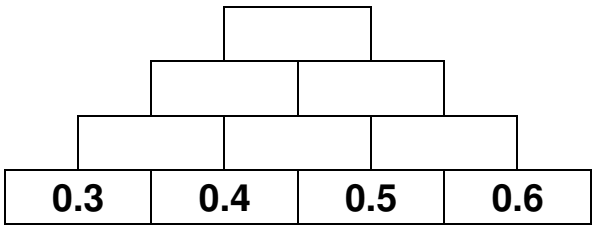
Decimal Towers

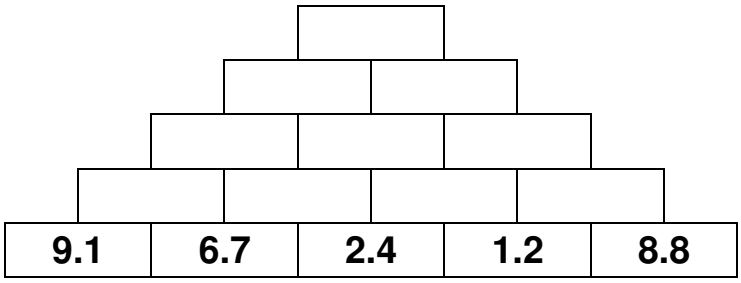
Part 1 One Decimal Place

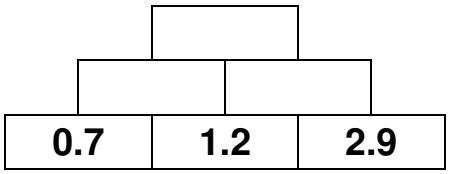
Look at the number tower opposite. Each number in the tower is equal to the sum of the two numbers below it.

Complete the decimal number towers below in the same way.



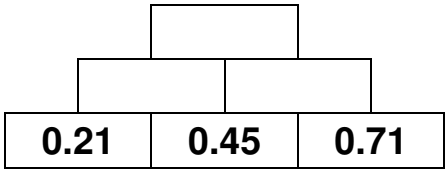


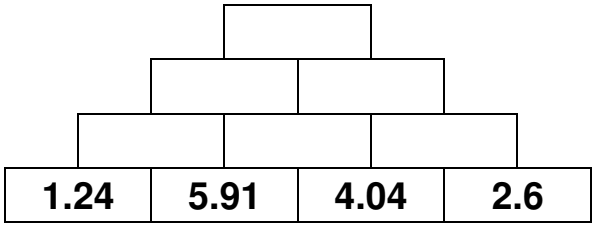


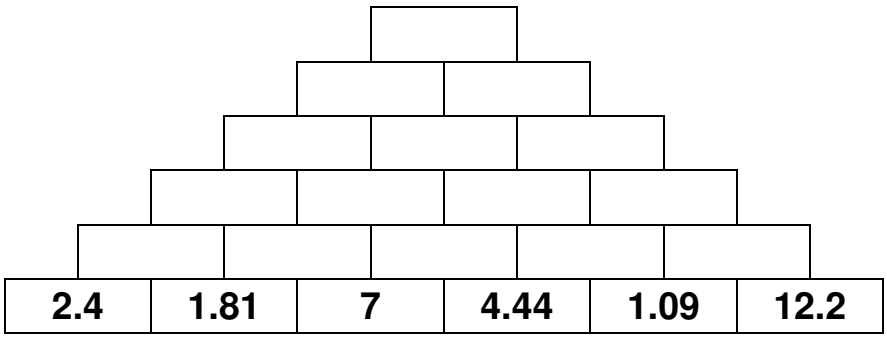


Part 2 Two Decimal Places

Complete the towers below. They use numbers with 2 decimal places.

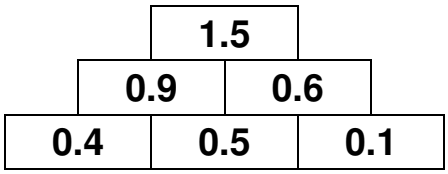


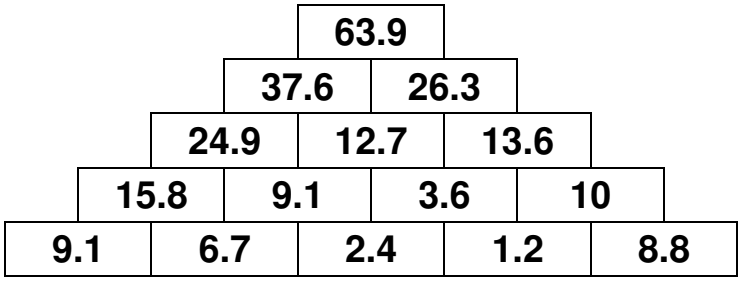


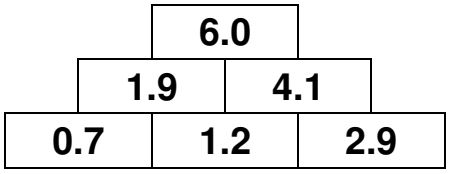


Decimal Towers Answers

Part 1 One Decimal Place







Part 2 Two Decimal Places