



# Enrichments

## Patterns, Functions, and Algebra

### Grade 4

4. Create a magic square using the numbers 1-16 only once. The sum of each row, column and diagonal is 34. Describe any strategies used to place the numbers.

	<b>9</b>	<b>5</b>	<b>16</b>
	<b>6</b>	<b>10</b>	
		<b>11</b>	
<b>1</b>			

5. Extend and describe the number patterns.

a. 2, 4, 6, 8, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

b. 1, 3, 9, 27, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

c.  $\frac{1}{2}$ , 1,  $\frac{3}{2}$ , 2, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_