

## Magic Bloomsmath Activity Ideas

The following activities are designed for students in upper primary but can be easily adapted for students in junior grades as desired.

	<b>Knowledge</b>	<b>Comprehension</b>	<b>Application</b>	<b>Analysis</b>	<b>Synthesis</b>	<b>Evaluation</b>
<b>Addition and Subtraction</b>	Students select and apply appropriate strategies for addition and subtraction with counting numbers of any size.	Students fill in the missing numbers to complete three easy 3 x 3 grids to get a feel for magic squares - A.	Students fill in the missing numbers to complete three more difficult 3 x 3 grids to apply their knowledge of magic squares - B.	Students fill in the missing numbers to complete three 4 x 4 grids to test their skill at solving magic squares - C.	Students use their magic square skills to fill in the missing numbers in an advanced 5 x 5 square - D.	Students research formulas for creating magic squares on the internet and create some of their own for others to complete.

### 3 x 3 Grids A

<b>8</b>	<b>1</b>	
<b>3</b>		
<b>4</b>	<b>9</b>	<b>2</b>

<b>12</b>		
	<b>9</b>	
<b>8</b>		<b>6</b>

		<b>18</b>
<b>15</b>	<b>20</b>	<b>13</b>

### 3 x 3 Grids B

8	15	
12		

37		26
		33

41		
	25	36

### 4 x 4 Grids

8			
	16		
	0	7	
	11		1

		6	21
7		13	
19		11	
		18	

			22
			9
			15
11	16	19	6

### 5 x 5 Grid

<b>23</b>		<b>7</b>		<b>21</b>
		<b>13</b>		
<b>10</b>	<b>12</b>	<b>19</b>	<b>26</b>	<b>28</b>
		<b>25</b>		
<b>17</b>		<b>31</b>		<b>15</b>