

Task: Magic Threes Extension

Set the scene:

1. Ask students for THREE numbers!
2. Pick some combination of them to add to a multiple of three.
3. Make a table as you go. For example:

Numbers			Sums	
4	2	1	$1 + 2$	3
6	5	2	6	6
1	4	4	$1 + 4 + 4$	9
25	25	2	$25 + 2$	27

4. Challenge students to spot pattern in last column.

Challenge:

Why can this always be done?