

Matrix


You need a dice marked 4, 5, 6, 7, 8, and 9
 a photocopy of the grids

Activity One

This is how Gina plays the Matrix game.

She throws 5, so she writes 5 in the box at the top of the left column because 40 and 45 are multiples of 5.


She will get two points.



5			
40	54	72	
45	48	63	
56	60	36	

Next she throws 8, so she writes 8 in the box beside the top row because 40 and 72 are multiples of 8.


She will get another two points.



5			8
40	54	72	8
45	48	63	
56	60	36	

She throws a 7 and puts it in the box beside the bottom row.

She gets only one point because 56 is the only multiple of 7 in that row.

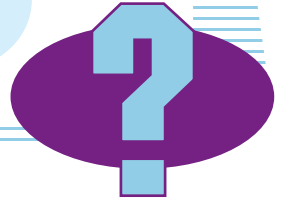


5			
40	54	72	8
45	48	63	
56	60	36	7

1. Gina's next three throws in order are 6, 9, and 4. Which box should Gina put each number in to get the highest score?



2. What is her total score?



Game

Play a few games of Matrix on a copy of Gina's grid.

Note that you can re-use a dice number if you throw it more than once.

Did you beat Gina's score?

Activity Two

Try playing the game with these grids.

What is the highest possible score for each grid?

a.

18	51	30	
25	32	56	
40	28	64	

b.

27	63	28	
54	60	45	
41	36	49	