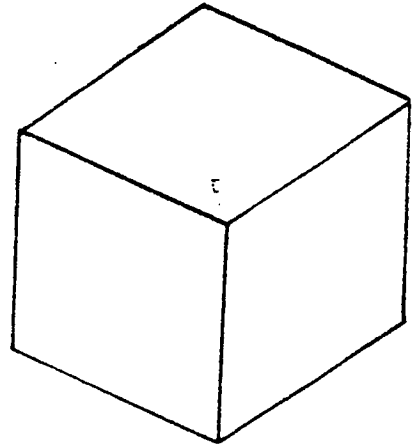
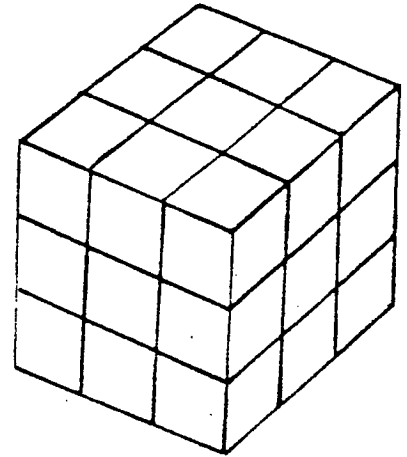


THE PAINTED CUBE

- Pat painted a 3 by 3 by 3 cube green on all six sides.



- She then sliced the cube into 27 smaller cubes.



- If Pat looked at each of the small cubes, how many would have paint on

3 sides? _____

2 sides? _____

1 side? _____

0 sides? _____

- Place your results in the table below. Complete the table for other cubes.

	3 sides painted	2 sides painted	1 side painted	0 sides painted	total cubes
3 by 3 by 3					
4 by 4 by 4					
5 by 5 by 5					
6 by 6 by 6					
7 by 7 by 7					