

1 KATIE'S SOUP

Katie was making soup for her group at the school camp.
She had to keep doubling the recipe until there was enough.

Katie makes 1 ml of soup, then doubles it and it becomes 2 ml, then 4 ml, and so on.

The soup pot only holds **1000 mls**, so if the number becomes greater than this Katie has to stop doubling the recipe because it won't fit in the pot.

- 1 Fill in the chart Katie started and help her work out when she needs to stop doubling the recipe.
- 2 Colour the squares that show where Katie must **stop doubling** before the pot overflows.

START	1 ml	2 mls	4 mls	5 mls	10 mls
1st double	2 mls				
2nd double	4 mls				
3rd double					
4th double					
5th double					
6th double					
7th double					
8th double					
9th double	512 mls				
10th double	1024 mls				



Think about
when the pot
will overflow.

