Extra Credit Problem – Due December 21   Name: _____
                                                Color: _____

Show all of your work to solve the problem below. You can use the space below or attach another piece of paper. Your steps need to be clear and labeled in order to receive full extra credit.

Holly the holiday elf loves candy canes and she has lots of them to distribute to her friends. She really wants to spread the holiday cheer. Holly gets more and more into the spirit with every day and so she has developed the following system for passing out candy canes:

Holly will give away one candy cane on December 1st. On each of the following days in December she will distribute the number of candy canes equal to the sum of all of the previous days' totals plus one more.

How many candy canes did Holly give away on December 25th? Look for the pattern!!!!! (There may even be a short cut for this one.)