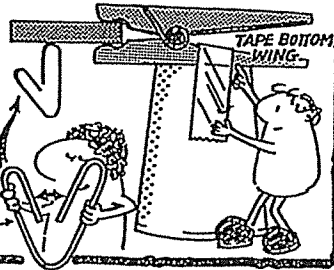


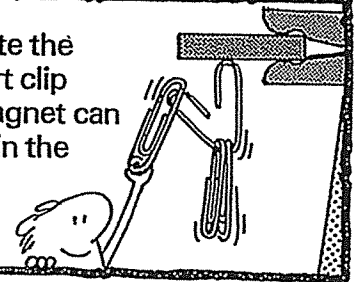
STRENGTH OF A MAGNET

1 Clamp a magnet in a clothespin and tape it to the bottom of a cup. Pull apart a paper clip (just a little) and hang it underneath.

PULL OUT TO MAKE A HOOK

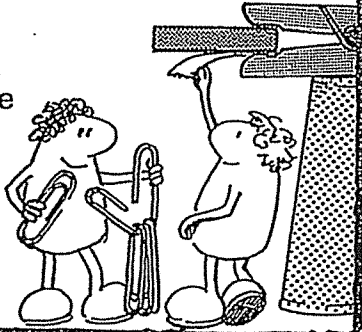


2 Add paper clips. Write the total number (support clip included) that the magnet can hold next to the "0" in the table below.

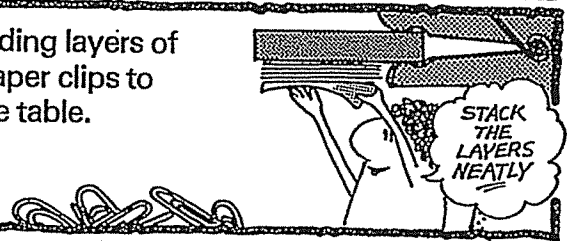


3 Cut a piece of masking tape the size of a small postage stamp and stick it underneath the magnet.

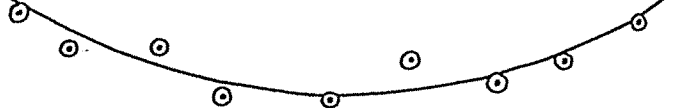
Now that the paper clips can't get quite as close to the magnet, how many can you hang?



4 Continue adding layers of tape. Add paper clips to complete the table.



5 Make a graph. Draw the best smooth curve you can through the points.



WRITE YOUR ANSWER IN THIS TABLE.

Save your cup and clothespin for the next activity.

DISTANCE (LAYERS OF TAPE)	STRENGTH (PAPER CLIPS)
0	
1	
2	
4	
8	
12	
20	
30	
40	
60	

