**LUCKY DOTS (1)**

**About this activity ...**

The element of chance at work in “Lucky Dots” guarantees high interest.

**Materials needed ...**

Plain paper, pencil, crayons, ruler.

**Directions to students ...**

Today, we’re going to play a game called “Lucky Dots.” How you do will depend on how lucky you are, but you must follow directions carefully.

I have given you two pieces of paper. You will also need a pencil, your crayons, and a ruler.

First, use your pencil to Number 1-8 on one of your pieces of paper, starting with Number 1 and going down to Number 8. Set that paper aside when you are finished.

Now, on the sheet of blank paper, I want you to use your pencil to draw 15 little circles. Make them about the size of a pea, and spread them out all across the paper.

Next, make one big circle—about the size of your thumbnail—anywhere on your paper.

Now, it’s time to do some folding. First, I want you to fold the paper—the one with the circles—in half. Press down on the fold to make it good and sharp. Leave your paper folded, and then fold it in half the other direction. Fold it one more time ... and then once more. Make sure you crease the folds.

Open up the paper and smooth it out. You should see 16 small boxes made by the fold marks.

Next, we need to do some coloring. First, I want you to color any five of the little circles red. (pause) Now, color any five of the little circles blue. (pause) Color the last five little circles green. (pause) Finally, color the big circle orange.

Okay, now it’s time to play the game. You will be using the paper you numbered 1-8 to keep track of your score.

- **Number 1.** If you have any boxes with no dots in them, give yourself one point for each empty box. If not, give yourself a zero.

- **Number 2.** If each of your red dots is in a separate box, give yourself two points.

- **Number 3.** Give yourself one point for each dot that is touching a fold line. (Including the big orange dot.)

- **Number 4.** If you have a total of five or more dots all the way inside the four corner boxes, give yourself one point.

- **Number 5.** Find the two green dots that are the farthest apart. Use your ruler to draw a straight line between them. It’s okay if your line passes through another dot. (pause) Now, count the number of boxes your straight line passes through. Give yourself one point for each box your line touches.

- **Number 6.** If you have any boxes with a blue dot and a red dot all the way inside the same box, give yourself two points for each box in which that happens.

- **Number 7.** If you have two dots of any color all the way inside any one box, give yourself one point for each box in which that happens.

- **Number 8.** Now for the big dot. Where is it? If your big dot is all the way inside a box—not touching any fold line—give yourself three points.

Now, who has the most points? Add up your score and let’s see how you did.