

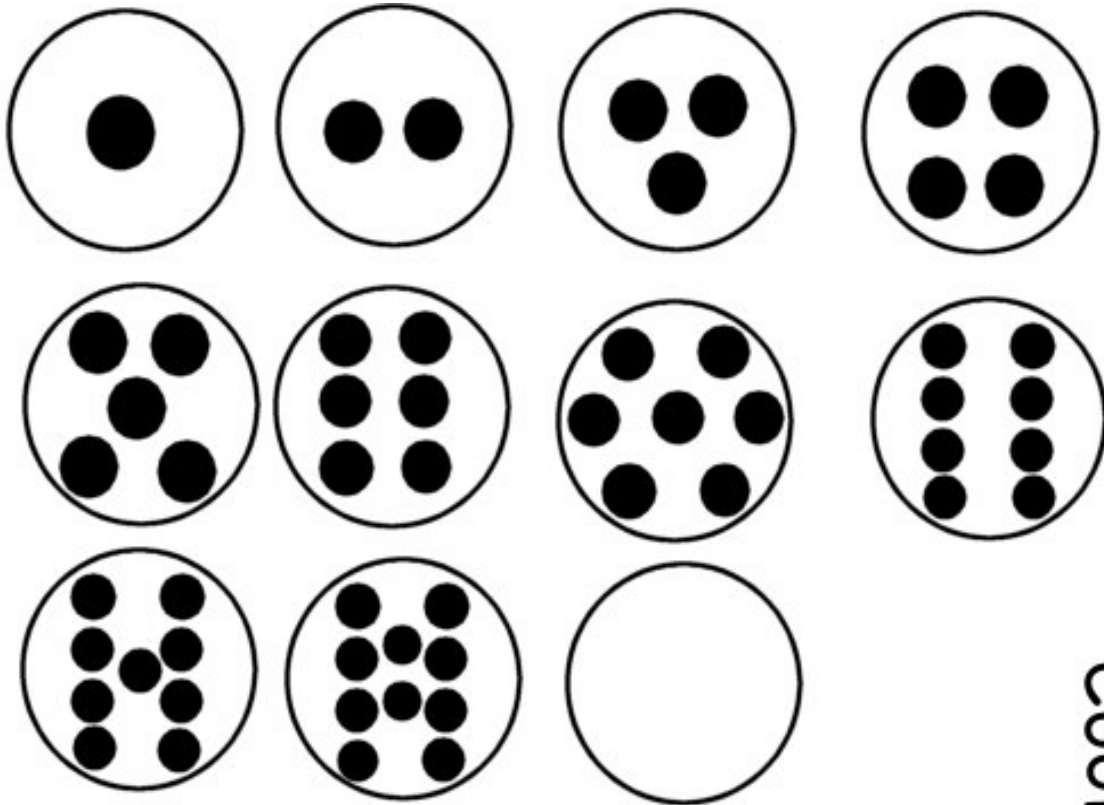
# How to Use This Book

Each activity in this book is a math visual aid, game, and/or manipulative and is designed for children's use. Let the students explore the materials before introducing mathematical concepts to be learned. Clarify the difference between manipulatives and toys by setting the parameters in which the latter are used. Make it equally clear that they are free to discover other parameters of application. Free explorations are controlled by having students write down (or dictate) observations on a chart.

The activities for each set of manipulatives and math aids are varied and cover a good part of the pre-school - kindergarten curriculum. Not only do these activities cultivate basic math skills, but also they enhance the auditory, visual, reflective, and interactive capacities of children in your classroom.

Each activity in this book is organized into categories that include the following:

- Skills – list the educational goal of each activity.
- What you will need – list all the materials needed to make the activity. Items listed are easily obtained, found around the home and classroom, and most are free!
- How to make it – details the directions for making the math visual aid, game, or manipulative.
- What to do – includes suggestions for how to use the math activity in your classroom. It may also contain the words to suggested chants and/or songs. All the activities invite children to participate at their own skill levels and are easily adapted. Activities can be used in large group and/or small group setting.
- Do more – includes suggestions to expand the activity.



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