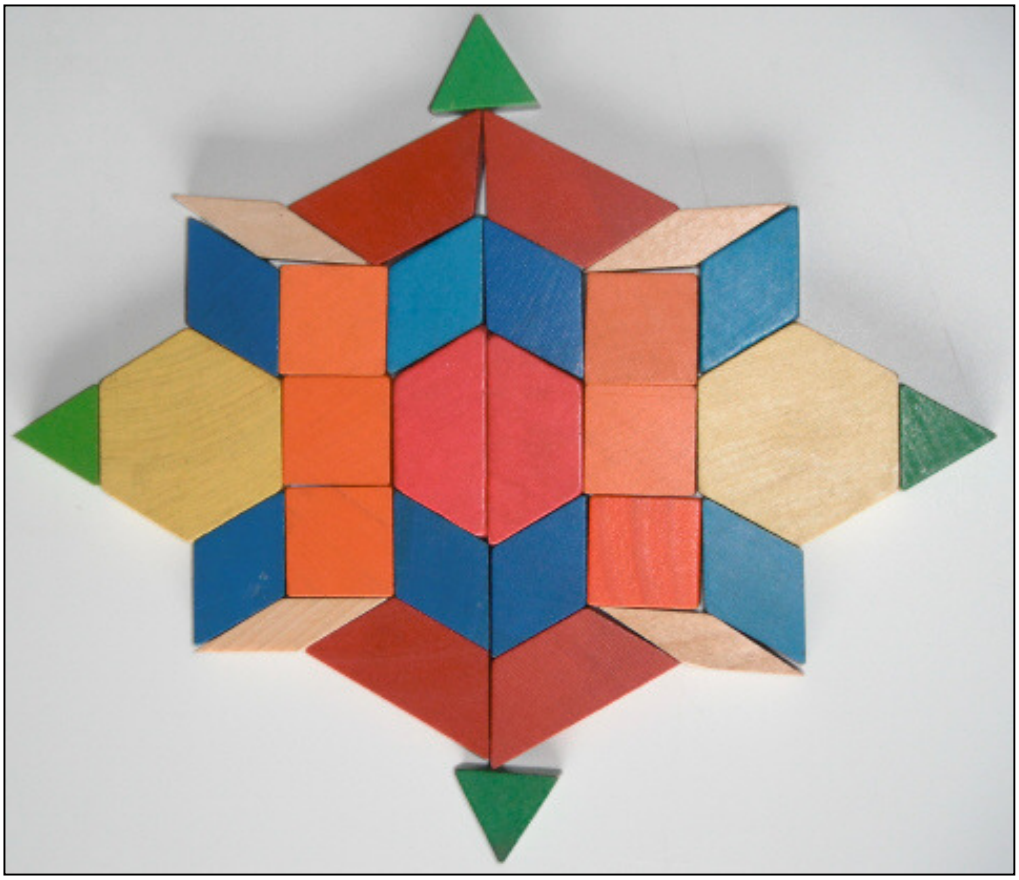
Teaching Geometry in the Primary Classroom

A Station Approach



by Linda Picciotto and Debbie Marchand
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Contents

Our Program 2

The Stations 6

A Tangrams 7

B Shape Search 14

C Feely Bags 18

D Geoboards 22

E Pattern Blocks 27

F Shape Art 30

G 3-D Shapes 33

H Roll or Slide 35

Forms for the Teacher 38

2-D reference sheets *(for Stations B, E, and F)* 39
3-D reference sheets *(for Stations B, C, F, G, and H)* 40
Organizations – schedules, groups, leaders 41
Evaluation forms – pre- and post-test assessments 43
Student self-evaluation 45

Suggested Resources 46

Geometry Station H

Roll or Slide

Geometry Station H

Roll or Slide

Materials needed:

- a set of 3-D shapes, wooden if possible
- a ramp set at a good angle for the shapes to slide or roll slowly from top to bottom
- Venn diagram recording sheets *(p.37)*
- pencils
- 3-D reference sheet *(p.40)*

Instructions for Station Leader:

1. Go over the names of each of the 3-D shapes.

2. Choose one shape and place it at the top of the ramp.

3. Ask the students to predict whether it will roll and/or slide down the ramp.

4. Release the shape and watch how it moves down the ramp.

5. On their Venn diagram worksheets, students record the results by cutting and pasting the shape in the correct section of the graph or by drawing a line from the shape to the right section. They could also draw the shape by themselves in the right spot. Make sure the students print their names on their papers.

6. Repeat instructions 2-5 with each of the shapes.

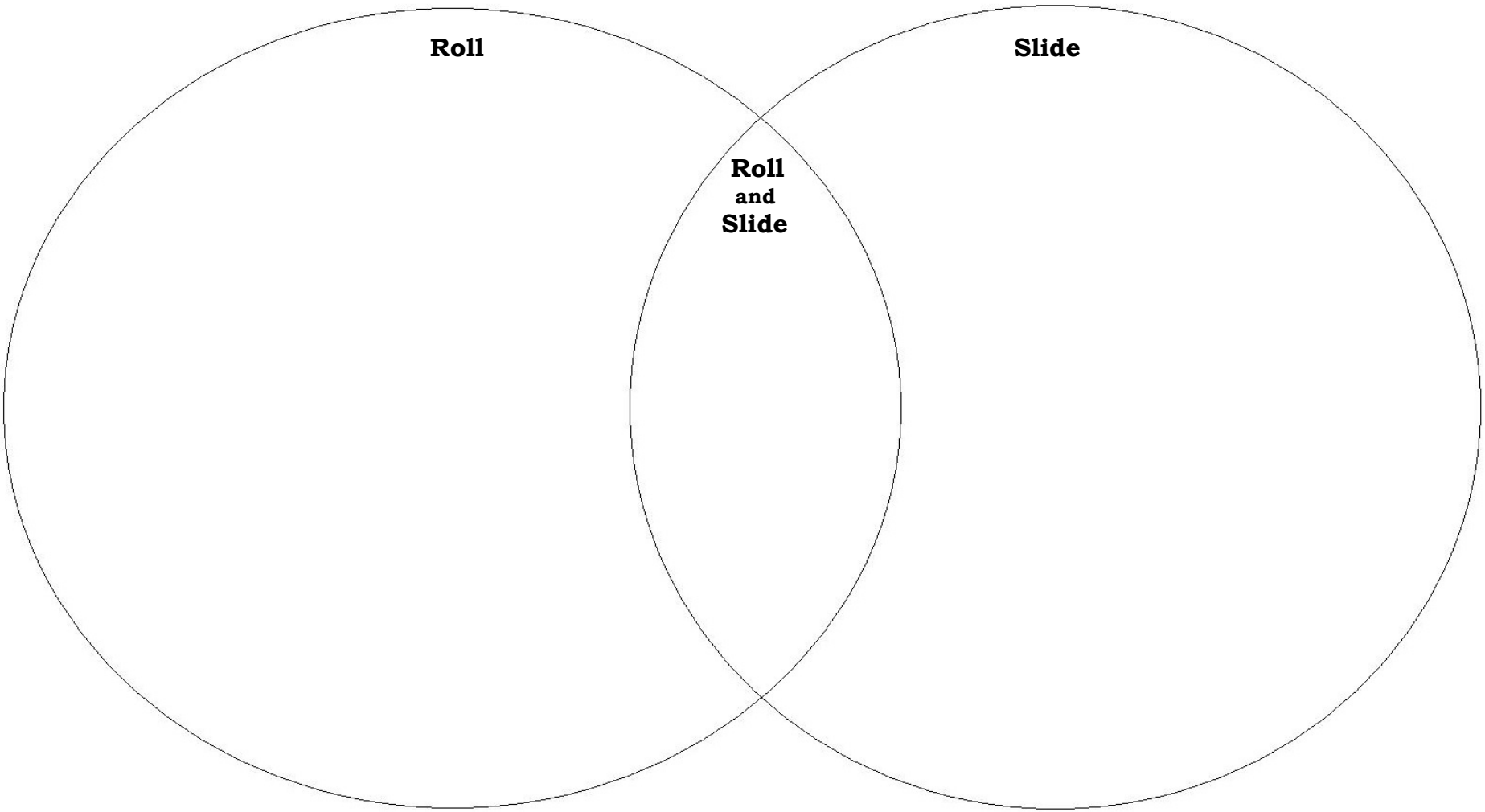
7. If time permits, the students can share the graphs with each other. Did everyone put the shapes in the same sections of the graph?

8. Students put their graphs into their folders and put away the materials in preparation for the next session.

Roll or Slide

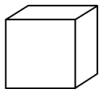
Station H

Name _____ Date _____



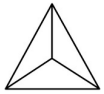
sphere

cube



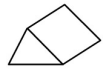
cone

pyramid

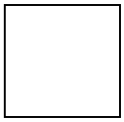
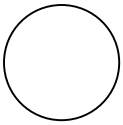
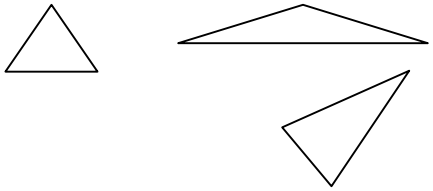
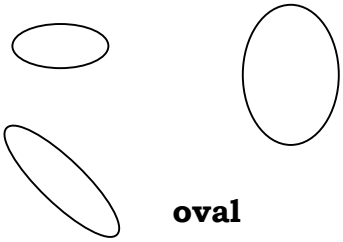
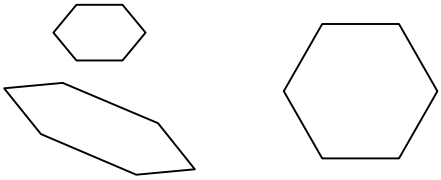
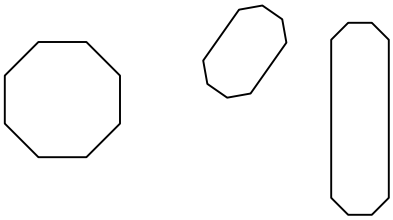
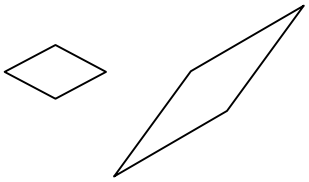
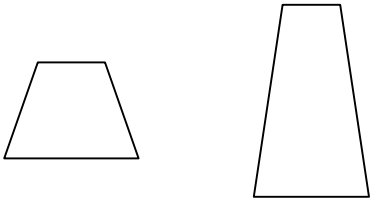


cylinder

triangular prism



2-D Shapes

 **square**	 **circle**
 **rectangle**	 **triangle**
 **oval**	 **hexagon**
 **octagon**	 **diamond**
 **trapezoid**	