# Name

## 

## Grade 3 Math Extension Menu

**Concept and/or Topic: Geometry**

**Directions: Choose** a learning activity from one square to complete. **Circle**the number of the learning activity you choose. If you choose the square, “Write your idea here,” please see the teacher for approval.

**Turn** inthis paper with your work.

|  |  |
| --- | --- |
| 1. **Write** and **illustrate** a picture book for kindergarten students that describes three (3) or more different polygons. | 2. **List** capital letters that have vertical or horizontal symmetry on the *Symmetrical Words Worksheet*. **Use** these letters to form symmetrical words.  Challenge: **Use** your words to build a symmetrical sentence. |
| 3. **Read** the example on*Shape Riddles*.  **Create** your own riddle for an item in the classroom that is a real life example of a polygon or a solid shape. **Include** as many geometrical clues as you can when you write the riddle. | 4. **Locate** and **access** the *Camouflaged Butterfly* website listed at the bottom of this page. **Complete** the activity. **Create** your own camouflaged symmetrical butterfly. |
| 5. **Write** your idea here.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6.  **Select** and **draw** a letter of the alphabet on a plain piece of paper. **Draw** and **label** what that letter would look like if you   1. flip it 2. slide it 3. turn it.   **Repeat** this same activity for 2 more letters of the alphabet. |

<http://www.manatee.k12.fl.us/sites/elementary/palmasola/anadaptcamo1.htm>

**Teacher Resource Page**

Grade 3 Math Extension Menu

**Concept and/or Topic: Geometry**

**Intended Purpose: Culminating Activity and/or Extension Activity**

**Standard(s) and Indicators Addressed:**

Box 1: MA.300.20.15a Identify and describe polygons including triangles, quadrilaterals, pentagons, hexagons or octagons by the number of sides or vertices

MA.300.20.15d Sketch triangles, quadrilaterals, pentagons, hexagons, octagons, and circles

Box 2: MA.300.20.20 Identify and describe one or more lines of symmetry

Box 3: MA.300.20.18 Identify or describe cubes by the number of edges, faces, vertices, and by the shape of each face

MA.300.20.15a Identify and describe polygons including triangles, quadrilaterals, pentagons, hexagons or octagons by the number of sides or vertices

Box 4: MA.300.20.20 Identify and describe one or more lines of symmetry

Box 6: MA.300.20.22 Explore, invent, identify and describe flip, slide and turn

**Organizational Tips:**

Box 1: Provide paper, crayons and pencils.

Box 2: Duplicate *Symmetrical Words Worksheet* for each student.

Box 3: Duplicate *Shape Riddles*for each student.

Box 4: Make a bookmarked page for

<http://www.manatee.k12.fl.us/sites/elementary/palmasola/anadaptcamo1.htm>

Provide paper, crayons or colored pencils.

Box 6: Refer to the link Alphabet Geometry at [http://www.misterteacher.com/abc.html](http://www.misterteacher.com).

Provide paper, crayons and pencils.

#### Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Symmetrical Words Worksheet

**Symmetrical letters**

**Ex.**

###### **HID**

#### MOM

**1.**

**2.**

**3.**

**4.**

**5.**

**Challenge sentence:**

#### Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



### Shape Riddles

##### Ex. I have the shape of a circle.

**I have line segments from the center point.**

**There are 60 points around my edge.**

**Some of my points are labeled with numbers.**

**Your class would be late without me.**

**What am I?**

**Write your riddle below.**