

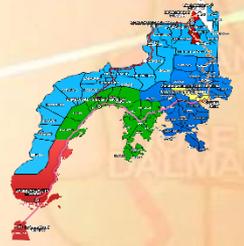


Republic of the Philippines
Department of Education
 Regional Office IX, Zamboanga Peninsula



- JANUARY**
Matuguhon
- FEBRUARY**
Mahigugmaon
- MARCH**
Matinabungan
- APRIL**
Matinahuron
- MAY**
Mahapsay og Malimpyo
- JUNE**
*Maabtik og Masunod sa
Dhasaklong Oras*
- JULY**
Maantigo og Maabilidad
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*Maginhuhunahunon
para sa Uban*
- SEPTEMBER**
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- OCTOBER**
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- NOVEMBER**
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- DECEMBER**
Maalampon

2



Zest for Progress
 Zeal of Partnership

Mathematics

Quarter 3 - Module 7

FLAT AND CURVED SURFACES IN A 3-DIMENSIONAL OBJECT.



Name of Learner: _____

Grade & Section: _____

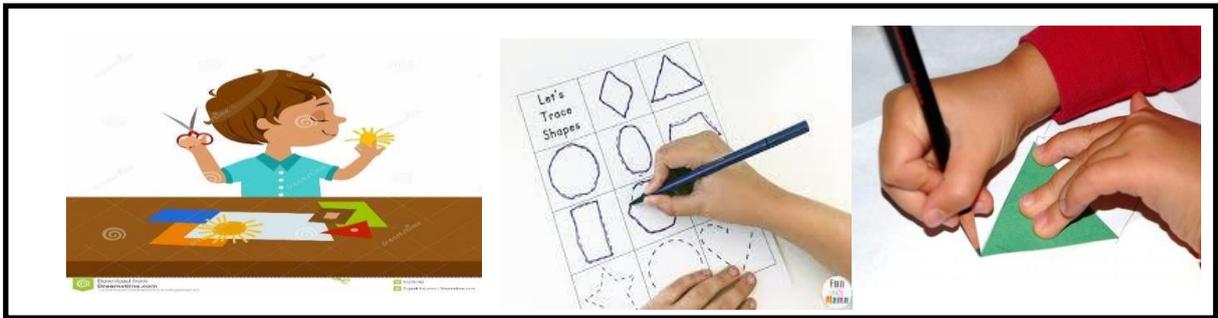
Name of School: _____



What I Need to Know

In this module, you will know how to construct square, rectangles, triangles, circles, half circles, half circles, and quarter circles using cut – outs and square grids and identify straight lines and curves, flat and curved surfaces in a 3-dimensional object.

What's New



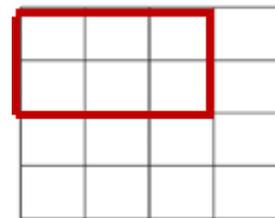
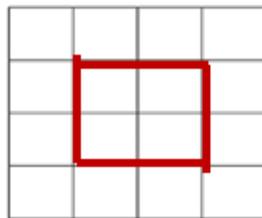
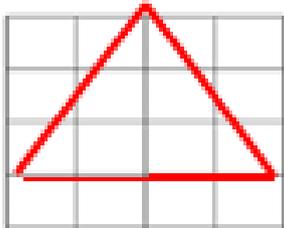
These pictures show how to cut and make different shapes.

Remember: In constructing or making square, rectangle or triangle you have to note their characteristics. The square has 4 equal sides, the rectangle has four sides and the triangle has three sides.

Here are some examples on how to construct different shapes:

1. Use a square grid. Draw a line to form a shape.

Example:



2. Explore the cut shape or tracing cut.

Example:

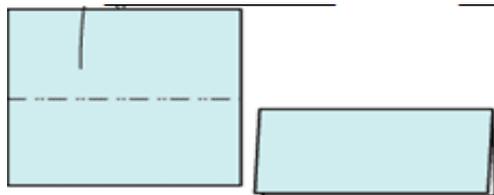


3. Trace the dashed line to form a shape.

Example:

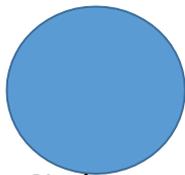


4. Fold the paper and cut to create another shape. Example:

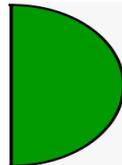


5. This time we have to focus in recognizing and making a circle, half a circle and a quarter of a circle.

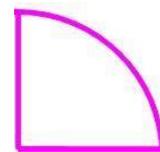
Here are different forms of a circle:



Circle



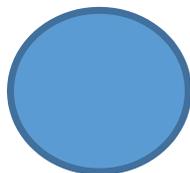
Half circle



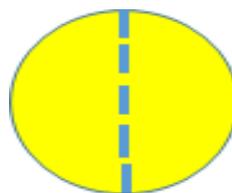
Quarter circle

Ways to Form a Circle

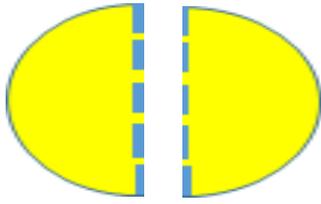
1. While holding the bordered circle of paper "What is the shape of the paper?"



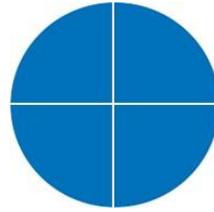
2. The teacher will draw a dotted line in the middle of the circle, "Is the line split correctly?"



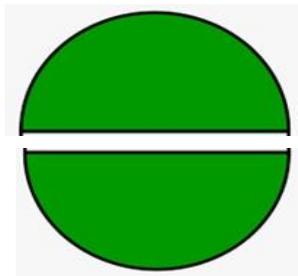
3. Now the teacher cuts the dotted line, "What is the name of each part represented by the paper?"



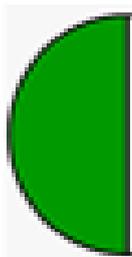
half circle



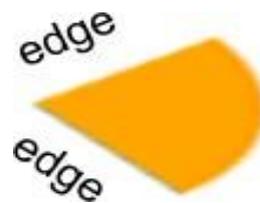
quarter circle



What is it



edge



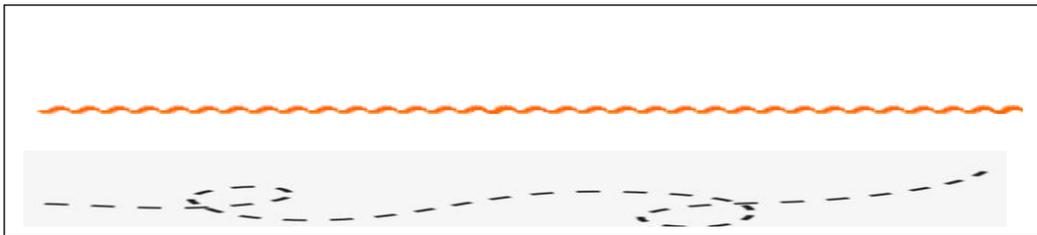
Half circle has 1 edge while quarter has 2 edges.

Look at the pictures below:

Straight lines has the shortest distance between the two points.



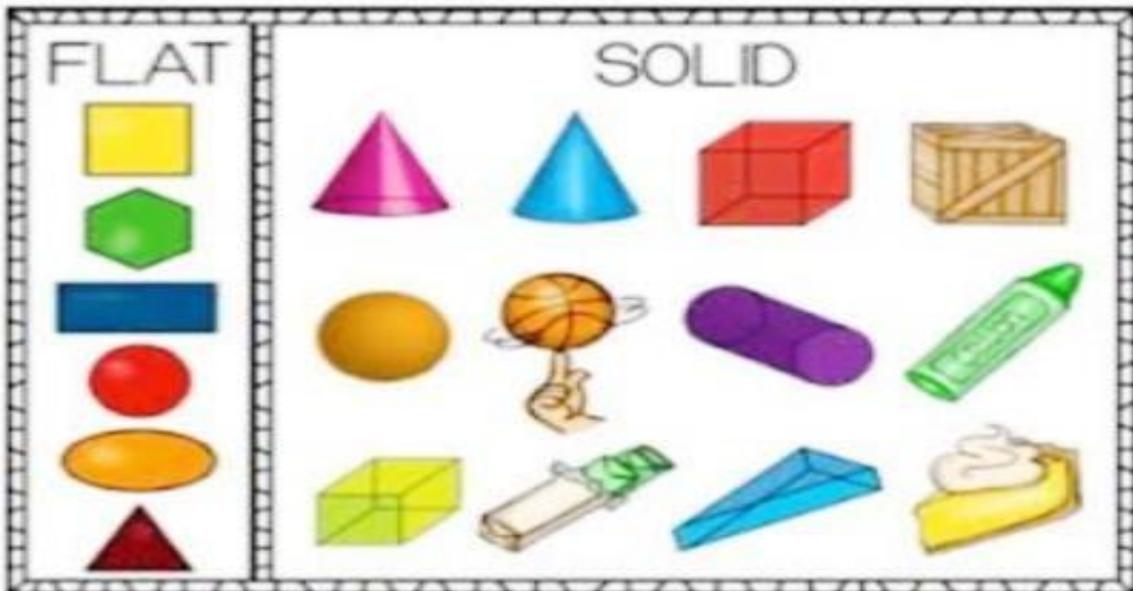
Curved lines is something similar to a line that does not have to be a perfect straight line.



Curved Line.

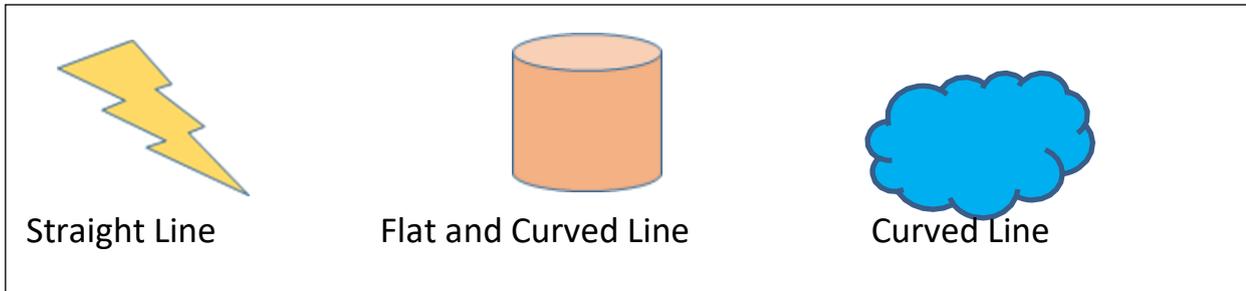
The 3D Dimensional shape looks like cones and cylinders. It has a combination of flat and curved lines.

The cone also has a flat surface and a curved surface



Flat and Curved Surface:

The difference between straight and curved lines, flat and curved surface is by looking at your prepared pictures as well as by counting how many sides they have.



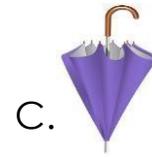
Assessment

Directions: Encircle the letter of the correct answer.

- How many sides are in the square?
 - 2
 - 3
 - 4
- What shape can we make if we connect three matchsticks?
 - triangle
 - square
 - rectangle
- A shape that has 2 pairs of parallel sides is_____.
 - Triangle
 - Square
 - Circle
- Which of the picture below shows a quarter circle?



5. Which picture shows half circle?



6. What do you call a shape without a side?

A. Triangle

B. Square

C. Circle

7. The arrow  is an example of a _____.

A. Curve Line

B. Straight Line

C. Flat and Curve Surface

8. Which of the following shows a straight and curved line.

A. U

B. M

C. S

9. Something similar to a line that does not have to be a perfect straight line is _____.

A. Curved Line

B. Straight Line

C. Flat Surface

10. The () table is an example of a flat object, where in the house do we find it?

A. Toilet

B. Dining Area

C. Bedroom

REFERENCES

Mathematics for Everyday Life TM Published and distributed by JTW Corporation.

Instructional Materials Development Center (IMDC) (1997)
Mathematics 2 Published and distributed by the
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