

5th Grade Math- Geometry Project

Due by Friday, February 20, 2015

Students will need to review the project below to complete by February 20th. They will be required to follow the exact instructions/directions for the project. This project will count as one Test Grade. So, please take pride in the entire process and complete your project on time! If you have any questions regarding the information below you can contact me via email at jduvall@baschools.org. Thanks for all that you do!

Life in a Geometrical Town

Materials Needed (but not limited to the following):

Pencil, notebook paper, ruler, crayons, markers, colored pencils, glue, construction Paper, poster board, large construction paper or foam board.

Directions:

Before creating your final project, make a rough draft of your map on notebook paper. Use the rough draft to sketch out where things will go on your final map.

1. Draw 3 parallel roads, and name them. (The names can be real or made up.) Use a ruler to draw all of your lines.
2. Draw 2 roads/streets that intersect to form an obtuse angle, and name these roads.
3. Draw 2 roads/streets that intersect to form an acute angle. Name these roads.
4. Take a sheet of construction paper. You will create 10 different shapes to cut out and glue onto your poster board. (hint...2-D)
5. The shapes you have cut out are the buildings in your town. Each building needs to have a name with a math term. (Ex: Triangle Bank, Pentagon Market, Octagon Police Station, etc.)
6. In the bottom left hand corner, draw a park that is in the shape of a square. In the square draw a small circle sandbox, a rectangle swimming pool, a round pond, and a picnic table that is a right triangle.
7. Pick 5 other things to put on your map. Some possibilities are, but not limited to:
 - Swings
 - Extra Roads
 - Cars & Trucks on roads
 - Traffic Signs
 - A railroad
 - A bus station
 - A river
 - Extra building
8. Use crayons, markers, or colored pencils to make your map colorful & attractive.
9. Give your town a name & write it at the top.

LIFE IN A GEOMETRICAL TOWN

GRADE SHEET FOR GEOMETRICAL TOWN OR COMMUNITY MAP

This sheet should be submitted with your final project.

NAME(S) _____

REQUIREMENTS	POINTS POSSIBLE	POINTS EARNED
3 NAMED PARALLEL ROADS	10	_____
2 NAMED PERPENDICULAR ROADS	10	_____
2 NAMED INTERSECTING ROADS	10	_____
10 REQUIRED POLYGONS	10	_____
MATHEMATICAL TERMS USED IN THE NAMES OF THE 10 BUILDINGS	10	_____
SQUARE FOOT PARK WITH 1" DIAMETER SANDBOX, PERIMETER OF 6 INCHES ON A RECTANGULAR POOL, RIGHT SCALENE TRIANGLE WITH A BASE OF 1 1/2" AND A HEIGHT OF 2", AND A POND WITH A CIRCUMFERENCE OF 6.28, LOCATED IN LOWER LEFT OF MAP	10	_____
5 OTHER THINGS ARE ADDED ON MAP	10	_____
MAP IS COLORFUL AND ATTRACTIVE	10	_____
MAP IS NAMED AND AT THE TOP OF THE MAP	10	_____
MAP KEY IS IN LOWER RIGHT WITH A SCALE OF MILES AND SYMBOLS	10	_____
TOTAL	POSSIBLE POINTS: 100	TOTAL POINT EARNED: _____