

NEIGHBORHOOD OF GEO

Draw and construct a version of a Neighborhood of Geometry. Please use a ruler and safety compass. You may also use colored pencils, crayons, and or markers. Follow the guidelines given below.

You are in charge of naming your neighborhood. You may have a theme and be creative. All of your streets and buildings must be named. Number each building a three digit prime number. Create your streets using the width of the ruler.

Your neighborhood should include:

1. at least 8 streets
2. 3 streets must be parallel
3. 3 streets must intersect with each other
4. 2 streets must be perpendicular to each other

Beginning with 5 – 8, label it on your neighborhood. EX. 5a should be labeled 5a on the right isosceles triangle.

5. Create 4 parks in the shapes of triangles
 - a. 1 right isosceles
 - b. 1 acute equilateral
 - c. 1 obtuse isosceles
 - d. 1 right scalene
6. Create 8 building(houses, stores, library, restaurant...) 4 in the shapes of squares
 - a. 1 with an area of 9cm^2
 - b. 1 with an area of 16cm^2
 - c. 1 with an area of 25cm^2
 - d. 1 with an area of 36cm^2

4 rectangle buildings

- e. 1 with an area of 12cm^2
 - f. 1 with an area of 20cm^2
 - g. 1 with an area of 24cm^2
 - h. 1 with an area of 10cm^2
7. Create 2 fences somewhere in your neighborhood
 - a. 1 with a perimeter of 30 cm
 - b. 1 with a perimeter of 18 cm
 8. 2 sandboxes somewhere in your neighborhood
 - c. 1 trapezoid
 - d. 1 parallelogram that is not a square or rectangle
 9. 1 circular swimming pool
 10. 1 octagon stop sign

HAVE FUN!! BE PROUD OF YOUR WORK!! Let your art skills and math knowledge SHINE!!