

Design a Park

Directions: You will be designing a park which includes the required sections listed below. You will turn in a scale drawing of your park and a completed sheet of paper with all work attached.

Size: 1200 ft. by 1800 ft.

Sections: The park must include the following sections,

-a swimming pool with deck space around the pool for chairs, tables, and sun bathing.
The entire pool area must be surrounded by a fence which will include a 5ft. gate.

-an area for playing baseball/softball and soccer (there could be several fields; each field should be regulation size and include an area for bleachers)

-tennis or basketball courts (there could be several courts (regulation size), the basketball courts can be half courts)

-a grassy picnic area with trees, tables, etc (be creative)

-an area for playground equipment (this will have a spongy surface to prevent injuries from falls.)

-a flower garden.

Shapes: The different sections of the park must include the following shapes,

- Circle
- Triangle
- Square
- Rectangle
- Parallelogram
- Trapezoid
- A complex figure (a combination of shapes [example: a half circle on top of a parallelogram])

Follow up questions:

- 1) Find the area of each section of the park.
- 2) Add up all the areas and make sure it equals the total area of the 1200ft by 1800 ft park.
- 3) What percentage of the park is grassy picnic area and flower garden? Sports fields/courts? Playground and pool?
- 4) Make a pie chart with the percentages in 3.