

# DARTBOARD

For this project you will create a dartboard using different geometrical shapes. You will then determine the probability that a dart would hit any particular part of your dartboard.

## MATERIALS:

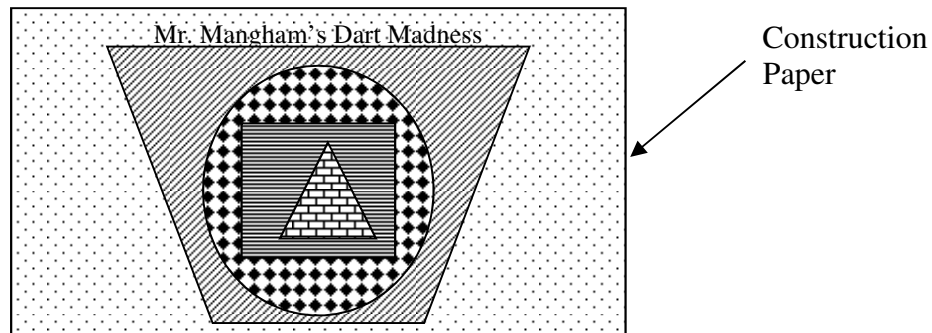
Construction paper OR poster board  
Ruler  
Compass or circles to trace  
Crayons/colored pencils/markers

## PROCESS:

On your construction paper you will utilize the following shapes:

1. Rectangle (this is your construction paper)
2. Square
3. Triangle
4. Circle
5. Trapezoid

Each shape will be entirely inside another shape. For example one option would be:



Your dartboard should be created using rulers or a straight edge and a compass or circles to trace. It must be neat! You must color in or utilize different designs to show the different sections of your dartboard. A title should be somewhere on the board.

Next you will need to complete the table summarizing your data for this project. Use a ruler for all measurements. You must measure your dartboard in centimeters. Please measure to the nearest tenth (for example 7.6 centimeters).

All work turned in must be completed by you. You will be explaining to me the process you went through to create your dartboard. Therefore, if others assist you in any way, please make sure that YOU understand everything. I will ask in-depth questions relating to your calculations.

All decimals may be rounded to the nearest hundredth when doing area calculations.

**HIGH QUALITY WORK WILL EARN YOU EXTRA CREDIT!**