

SCALE DRAWING PROJECT

Objective: To enlarge a small picture to poster size using scale drawing techniques.

1. Choose a small picture such as a candy wrapper, a cartoon character, an interesting label, etc. You must get your picture pre-approved by **Tuesday, November 3, 2015** to receive points. **(10 pts.)** **Poster board must be purchased and brought in by Nov. 5th. We start the project in class on that day.**
2. Draw a square centimeter grid over your picture. Be very precise and make sure that all lines are equally spaced. Number the rows and columns so that the boxes have reference. **(10 pts.)**
3. Draw a square grid on your poster board using the same unit of measure as step number 2 (cm, in), but use a scale factor of 5 or bigger (ex. If your original grid was a 1cm x 1 cm and you used a scale factor of 5, your new grid would be 5cm x 5 cm). You want to space your vertical and horizontal lines so that you can fill as much of the poster as possible, but keep in mind that you need the same number of lines/squares as on your smaller picture. Number the rows and columns the same way you did on the smaller picture so that you have a reference for each square. (The poster board must be at least 11x14.) **(10 pts.)**
 - a. Your drawing should be the whole drawing. Do not pick a scale factor so large that you can only fit a portion of the original picture. If your scale factor is too big, decrease it, or get bigger paper.
4. Copy your picture one square at a time to create your enlarged drawing. Make sure to use color to make it look like the original (effort and creativity count!) You will have to do your best with the small details such as the letters and logos. I understand that these aspects may not be perfect.
5. *On the front of the poster, include the original object. On the back of the poster write the scale factor of the original object to the enlarged object. Attach the Scale Drawing Rubric on the back of your poster.* **(40 pts.)**
6. Answer the following questions on the back of your poster **(10pts.)**:
 - a. What is the width of each square on your original object (include unit of measure)?
 - b. What is the width of each square on your enlarged object (include unit of measure)?
7. Overall presentation is worth **20 points**. Make very sure you have followed the Rubric. Be creative, **be neat**, and be accurate. Have fun!

PROJECT IS DUE
to Mrs. Chomat: November 16, 2015

For each day that it is late, 10% will be subtracted.

Name: _____ Period: _____

Scale Drawing Rubric

This paper must be turned in with the project

Picture to be enlarged approved by due date of 11-3-15: _____ (10)

Grid on original picture: _____ (10)
-Evenly spaced/neat
-Column/rows numbered on the grid

Grid on poster board: _____ (10)
-Evenly spaced/neat
-Column/rows numbered on the grid
- Used the correct scale factor

Completed enlarged picture: _____ (40)
-Fills majority of poster board
-Completed square by square
-Looks comparable to original

Questions: Answered on the back of the poster board _____ (10)

Overall Presentation: _____ (20)
-neatness counts

WOW POINTS!!!! _____ (bonus)

TOTAL _____ /100