**Ratio and Proportion Project (Test Grade) Due (A Day) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Turn this page in with your project!!! Due (B Day) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Decide on one frame from a Sunday Comics section of a newspaper. Comics may be printed from the internet but should be printed small enough to enlarge reasonably.
2. Tape your frame to the center of a piece of printer paper. Make a plan to divide your comic into $\frac{1}{4}$ inch squares. Your squares should be evenly spaced vertically and horizontally across your comic.
3. Using a ruler (and a pencil), draw a line horizontal to the frame. From a point to the left of your frame, use a protractor and draw a line perpendicular to the line under your frame. From a point above your frame along this line, use a protractor and draw a line perpendicular to this line. You should now have three lines two of which are perpendicular to the same line.
4. Next, from the bottom left corner measure and mark $\frac{1}{4}$ inch intervals to a point past the bottom right of your frame. Repeat for the top. Carefully connect these points keeping the line perpendicular to the top and bottom. Repeat this process now for the left side of your frame, making the same $\frac{1}{4}$ inch marks on the line to the left of the frame and for the line to the right of the frame. Again carefully connect these points keeping these lines perpendicular to the left and right.
5. Your frame should now be covered in quite accurate squares $\frac{1}{4}$ inch on each side. The edges of your frame should be inside a row or column of these squares.
6. On poster board or paper large enough for the enlarged comic repeat steps two and three above using 1 **inch intervals**. These penciled lines should be rather light. Make sure that you have the same number of rows and columns of squares as the small grid which just overlaps (covers) the frame of your comic.
7. **Copy what you see** inside each comic frame in the corresponding square on the larger grid. Make sure that you are copying what is inside each square. Keep in mind that the call box words must be copied properly. **You are not to try to draw the complete picture at once!!!**
8. When you have finished copying the squares to the larger grid, **LIGHTLY** erase the penciled lines of the grid before you color it. They should be faint but easily seen up close. They will be used to judge the job of copying what is seen inside the frame of the comic.
9. Color the new drawing to replicate the coloring of the frame of the comic. You may use colored pencils, crayons, or markers. You must outline in pen or marker for a finished product.
10. Paperclip the original comic (which should be taped to a piece of printer paper) to the final design and turn in on or before the due date.

**NO LATE PROJECTS WILL BE ACCEPTED!!!!** If you know you will be absent turn it in early. Have the project brought up by a family member if you will be absent on the due date. You will have more than enough time. Don’t wait until you no longer have time to do a good job. **REMEMBER THIS IS A TEST GRADE!!!!**

**GRADING RUBRIC ON BACK**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date turned in: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Original comic must be turned in with enlargement.**

**The project cannot be graded without the original comic!**

|  |  |  |  |
| --- | --- | --- | --- |
| **Max Points** | **Description** | **Grade Yourself** | **Actual Grade** |
| 5 | Original comic  |  |  |
| 5 | // and perpendicular on original comic |  |  |
| 5 | Border around original comic |  |  |
| 10 | $\frac{1}{4}$ inch spacing on original comic |  |  |
| 5 | // and perpendicular on drawing |  |  |
| 5 | Frame on the drawing |  |  |
| 10 | 1 inch spacing on the drawing |  |  |
| 5 | Correct number of spaces horizontally |  |  |
| 5 | Correct number of spaces vertically |  |  |
| 15 | Comic copied correctly by square |  |  |
| 10 | Neatness on the drawing |  |  |
| 5 | Taped comic to printer paper |  |  |
| 5 | Lightly erased guide lines on drawing |  |  |
| 15 | Colored and then outlined in pen |  |  |
| +5 | Enhancements: WOW factor, Poster board, shading, etc. |  |  |
| +5 | Math related comic |  |  |
| +5 | Turned in early |  |  |
| 120 | Total Grade |  |  |