

Areas of Two-Dimensional Figures

Standards: Organize information in a neat manner.

Task:

The most common shapes in the world are rectangles, squares, triangles and circles. You will create a booklet that presents each of these shapes. Each shape should be displayed on a separate page that includes:

- ✓ Title - name of the shape
- ✓ Example of the shape from real world – this could be a clipping from a magazine, or a realistic drawing of an object
- ✓ Diagram of the shape with clearly marked dimensions that apply to the figure: length, width, height, base, or radius
- ✓ Formula for the area of the shape
- ✓ Example of a problem that demonstrates your understanding of the formula application.

The booklet should have a cover page with the title and you name. The text of the booklet should be typed or neatly handwritten. The use of color is a plus. Your booklet will be evaluated not only on the contents but on the neatness of presentation as well.

I will use the following rubric to evaluate your booklet.

	3	2	1	0
Page title	Each page has a title of the shape		Some pages are missing titles	No titles on any pages
Real world example	Each shape is accompanied by an example that represents an object from a real world	The examples for the shapes are not from real world or they are examples of a wrong shape	There are only few examples throughout the booklet	There are no real world examples of the shapes
Diagram for the shape	The diagram has correct marked dimensions	The diagram has wrong labels	The diagram has no labels	There is no diagram on the page.
Formula for the area	The page has the correct formula for the shape			The formula is not correct
Example of a problem	The page includes an example of a problem on how to correctly find area of the shape		The problem in the included example is soled incorrectly	There is no example for the formula
Neatness of the booklet (x3)	The writing is neat and legible. There are no crossed out words. All pages are there.	The writing is somewhat messy or hard to read. Some pages are missing	The writing is hard to read, there are a lot of crosses out words. Some pages are missing	

Total _____/24