

Chapter 8 PBL

For this chapter, we will be working with multiplying fractions through the creation of model objects. We will be creating blue-prints for our new object!

1. Select an object that shows some importance to you. This object needs to be able to come to school. You also need to be able to find the dimensions of this object and sketch it!

Object: _____

1. Decide the scale of the object that you will create as your "model object". Example: My object is a large dice. I will create a model dice that is $\frac{1}{3}$ the size of the original.

I will find/create my new object to be _____ the size of the original.

2. Draw a sketch of my original object.
3. Label ALL dimensions of your object. (Length, Width, Height)
4. Complete and show the necessary math you used to SOLVE for the new dimensions of your new model object.
5. Sketch your new model object.
6. Label ALL dimensions of your new model object.
7. CREATE your new model object.
8. Bring ALL MATERIALS IN NUMBERS 1-9 IN FOR YOUR PRESENTATION TO THE CLASS.

Things to note:

1. Identify ALL details. Example: dice, the dots must be the correct dimensions/size!
2. If you multiply by a fraction ($\frac{1}{3}$) this will make your object smaller.
3. If you multiply by a mixed number ($1 \frac{1}{3}$) this will make your object larger.

Presentation:

1. Poster Board (I feel this will be easiest)
2. Google Presentation
3. PREZI
4. Educreations video

Total Points: ____/20