

Problem A

Materials: Paper Towel Rolls, Red construction paper, tape, anything you think of

Your job as Group A is to determine the best shape for an object to have in order to slide through the paper towel rolls. You are trying to figure out 2 things: 1) The best shape for an object and 2) How many objects can we fit in a paper towel roll at once? In answer these two questions, you must make (using red construction paper, tape, and other objects you deem necessary) the ideal shaped object and demonstrate to the class the object's effectiveness. When presenting to the class, please

- a) explain your problem**
- b) demonstrate the objects' movement through the paper towel rolls**
- c) report the maximum number of objects that can slide through the paper towel roll at once**
- and d) justify your shape choice.**