

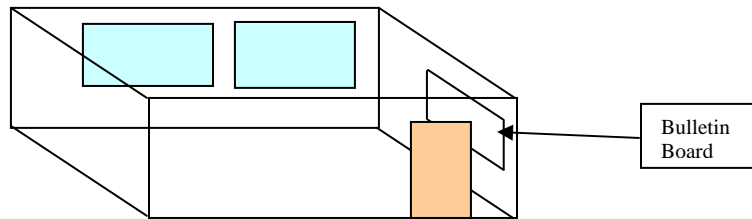
Lesson 9-1: Areas of Two-dimensional Shapes

Hands-on Activity: A Fresh Coat



Objective:

Find the area of walls to be painted and the cost of the paint to do the job. Your room may look something like this.



Materials:

- yardstick or meter stick
- paper and pencil
- paint store price list

Procedure:

1. Measure the length and height of the walls in your classroom. If you have windows in the room, measure the length and height of those, also. You will need to delete that area from the painted area. Also, do not plan to paint the ceiling, doors, or bulletin boards.
2. Determine the area to be painted. Do not paint the windows or the window sills.
3. Using a price list from a store like Lowe's or Ben Franklin, find the price of an inexpensive, lower quality paint and find the price of a more expensive but better quality paint.
4. Assume that it will take three coats of the lower quality paint to cover the area. It will take two coats of the better paint to do the same job.
5. Determine the approximate area covered by one gallon of each type of paint and determine the number of gallons needed.
6. Price it out and find the final cost for each type of paint. Do not buy more than you will need to do the three coats or two coats.