

Student

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Algebra 1 & English 9

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### Process Analysis Paper

During math class last week, our assignment was to find out how many bricks are in the roof top walls. So, during the class all of the students went out on the rooftop and in their groups measured the walls to try to find the area in square feet. Each group was asked to estimate about how many bricks were in the wall they were the measure. Group four, the group I was assigned to, estimated about 6,000 bricks in the south wall.

First and foremost, each group had to find the area of the wall that was assigned to them. Two tape measures were used to find the length and width of the walls in feet and inches. The length of the large south wall is 48'3'' and has a width of 13'7.5''. The length of the small south wall is 12'11'' and a width of 13'7.5''. After converting all measurements into decimals and then finding the area of each wall by multiplying the lengths and widths together. Then finding out the total area of both walls we added the two areas together which would be 833.45 square feet.

Meanwhile, if there was a door or window in the wall it area needed to be calculated and then subtracted out of the area of the wall. In the south wall there was one window. The width of the window is 3'3' and the length is 7'. When converted and then multiplied the area equals 22.75 feet squared. Now, we took the area of the window and subtracted it form the area of the wall to get a new area. After working out the equation

**Comment [D1]:** Here's another sample of this sort of paper. In this one, we still have good flow and pretty good clarity. However, you'll also find sentence fragments and typos, as well as no use of equations or diagrams to help the reader out. The writer does maintain passive voice for the most part just as we have to. This paper received an "A-" last year, but would do no better than a "B-" this year, "C" in honors due to the errors.

the new area was 810.7 feet squared. The next step was to find out how many bricks are in the wall.

Finally, the process used to find out the number of bricks that are in the wall is called unit analysis. This process will help convert different units. Taking the area of the wall, which are 810.7 square feet, and multiplying it by the number of square inches that are in one square foot, which is 144 square inches, and getting the product of 116,740.8 square inches. Then divided the area of the wall, in square inches, by the area of one brick, which is 23.38 inches squared to get the number of bricks that are in the wall. This will give you the quotient of 4,993 bricks.

In conclusion, the process of unit analysis is very helpful. Without using unit analysis the process of find how many brick that were in the wall would have been a lot more difficult. This can be helpful in the many situations. For example, when ordering soil or concrete the orders are taken in yards cubed and when using unit analysis the measurements can be figured out easily. Unit analysis can come in handy in many real life situations.