

Ana's Work

- STEP 1: first we found a grassy spot to start at.
- STEP 2: then we used a toothpick to pull up the blades of grass and counted them with it.
- STEP 3: then we measured the section Mrs. Mitterer marked off. (we used yards.)
- STEP 4: then we wrote down the data we collected and did all of our math. we used multiplication and addition (11 yrd and 16" and 10 yds and 21")

STEPS IN OUR MATH,

first we did, 10 times 36 because there are 36" in a yrd. then we added 21" to that because there was still 21" left over and that was 381. then we multiplied 11 times 36 because there are 36" in a yrd. and then added 16" because there was 16 inches left and that was 412. then we multiplied 412 and 381 together and got 156,972. then we multiplied 156,972 by 31 because we got 31 in a sq. inch and got 4,866,132 blades of grass in the section my teacher marked off.

$$\begin{array}{r} 36 \text{ inches} \\ \times 11 \text{ yds} \\ \hline 36 \\ + 360 \\ \hline 396 \text{ inches} \end{array}$$

$$\begin{array}{r} 396 \text{ inches} \\ + 16 \text{ inches} \\ \hline 412 \text{ inches} \end{array}$$

$$\begin{array}{r} 412 \text{ inches} \\ \times 381 \text{ inches} \\ \hline 1412 \\ 32960 \\ + 123600 \\ \hline 156972 \text{ inches} \end{array}$$

$$\begin{array}{r} 1222 \\ 156,972 \text{ inches} \\ \times 31 \text{ blades of grass} \\ \hline 156972 \\ 4709160 \\ \hline 4866132 \text{ blades of grass} \end{array}$$

1. Answer: 4,866,132 blades of grass.