

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

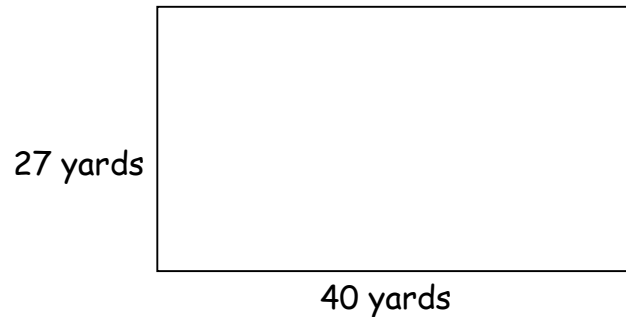
**Bulkeley High School Gym Task Notes**

**Notes:**

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

### Bulkeley High School Gym Task

The school basketball team is having a pep rally next week. The team wants to use the school gym. The Bulkeley High School Gym is 40 yards long and 27 yards wide.



1. How many *square yards* is the Bulkeley High School gym?
2. How many *square feet* is the Bulkeley High School gym?
3. How many times more square feet than square yards is the Bulkeley High School gym?
4. You found out that \_\_\_\_ people can fit into one square yard. Find out how many people we can fit in the Bulkeley High School gym.



Check point! Please call an instructor over for a group quiz. Everyone should be able to explain your answer to #3 and why it makes sense. **Score:** \_\_\_\_\_

5. Bulkeley High School is planning on building a new gym! This new gym will be twice as wide and twice as long. How *many times bigger* is the new gym?
6. If the gym is twice as wide and twice as long, show by drawing a diagram or explain in words why the new gym is *not* twice as big.
7. How many people can we fit in this new gym?



Check point! Please call an instructor over for a group quiz. Everyone should be able to explain your answer to #5 and #6 and why this makes sense. **Score:** \_\_\_\_\_

---

Extension problem:

- a. Instead of twice as wide and twice as long, Bulkeley High School decided to make it twice as wide and three times as long. How *many times bigger* is the new gym?
- b. If we want the new gym to fit 10,000 people, what are some possible sizes for the gym?