

1. At a certain university, there are eight times as many students as faculty. Write a mathematical statement of the student-faculty relationship. Clearly define your use of variables or names.
2. If it takes Jake 8 hours to mow a large lawn, but it takes Tyler 10 hours, and if each can work at his same rate when they share a job, how long would the lawn take them working together?
3. Describe how to use the length of shadows to find the height of a tall tree on a sunny day.