Names:

Outdoor Number Sense Activity

In a small group, choose **one of the following** questions to answer:

1. How many campus parking spaces could be used for a football game on campus?
2. What is the average height of the trees on UNC's West Campus?
3. Pick a tree with some fallen leaves. What percent of the leaves are still on the tree?
4. How many dark red bricks are on the exterior walls of Ross Hall?
5. How many promotional fliers are displayed in and around buildings on UNC's West Campus?
6. How many rolls of toilet paper are there in UNC's West Campus?
7. How long would it take two people to mow all the grass on UNC's West Campus?
8. How many people could attend a concert at the football stadium?
9. How many towels are there in UNC's West Campus?

1. Make a plan to estimate an answer to your chosen question in about 30 minutes **without using a calculator**. This may include taking measurements, sampling, using proportions, finding averages, etc.

2. Carry out your plan and construct an estimate. Explain each step in your calculations.

Names:

3. List the assumptions that you had to make in order to make your estimate. What specifically did you choose to consider or disregard?

4. Describe the accuracy of your estimate. How far do you think you are from the exact answer?

5. Describe a scenario in which someone might actually need to know the answer to a question like the one your group chose. What information might this person have that could improve the accuracy of their estimate?