

Fire Assessment

Exploration Questions

1. Set the forest size to “tiny”. Now burn the forest. If you had to determine the number of trees burned within 15 trees of the answer, would it make sense to estimate? Why or why not? Hint: burn the forest and estimate the number of trees burned to see if estimating is reasonable.
2. Does changing the forest size affect your answer to question number 1?
3. Set the forest size to “tiny” again. If you had to determine the percent of trees burned within 1% of the correct answer, would it make sense to estimate? Why or why not? Hint: burn the forest and estimate the percent of trees burned to see if estimating is reasonable in this case.
4. Does changing the forest size affect your answer to question number 3?
5. Why is it useful to be able to estimate rather than finding the exact answer?