Fire Assessment Worksheet

1. For the following tables, you are going to be estimating the number of trees burned as numbers, fractions and percentages. Before doing so, make sure that your settings are as follows:

Forest Size: **Medium**
Burn Probability: **50%**
Answer: **Really Close**.

Now make estimations as numbers, fractions, and percentages. To do so, first click on any tree to burn the forest down. Record your estimate in the data table, and then input your estimate in the applet, making sure to choose the appropriate estimation method. If your first answer is incorrect, continue estimating until your answer is close enough. Now record the actual value and the number of tries it took you to get the correct answer. Repeat this process for 5 trials using numbers, 5 trials using fractions, and 5 trials using percentages.

Number Estimations:

Trial	Estimation	Actual Value	# of Tries
1			
2			
3			
4			
5			
Total			

Fraction Estimations:

Trial	Estimation	Actual Value	# of Tries
1			
2			
3			
4			
5			
Total			

Percentage Estimations:

Trial	Estimation	Actual Value	# of Tries
1			
2			
3			
4			
5			
Total			

2. Which type of estimation – fractions, percents, or numbers – was the easiest to use? Why? Does the number of tries for each type of estimation support this? If so, how?

3. If I told you that 150 million people in the U.S have their driver's license, would that mean anything to you? What about 50% of Americans? Does this tell you more or less? Why is that?

4. There are 20 candy bars on a table, and some of them fall off. I will get to eat however many candy bars fall off the table. Would I rather know the number, fraction, or percent? Why?

5. Can you think of at least one situation where each type of estimation would be the most meaningful method?

Fractions:_____

_____

Percents:_____

_____

Numbers:_____

_____