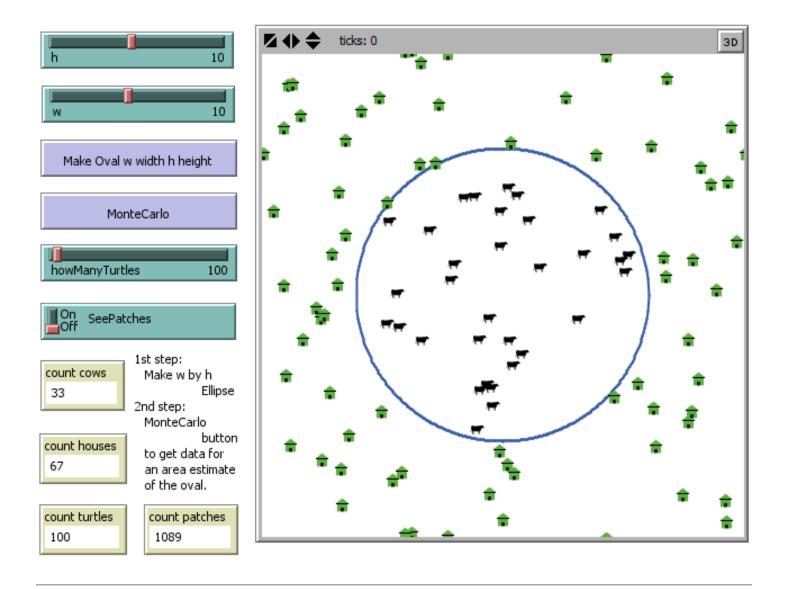


8. Calculate the <u>Monte Carlo estimated area</u> of the above OVAL using what you have learned. Be sure to show ALL of your work, including the NUMERATOR and DENOMINATOR and the setup of any equation so that you not only demonstrate you understand the concept and relationships and equation, but so that if you make arithmetic errors in the calculations, you can still get most or all of the credit. COWS are inside the OVAL, and HOUSES are outside the OVAL.



9. Calculate the AREA of the entire turtle grid world in square patches. Show ALL your work, i.e. the numerator and denominator and the setup of your equation, to not only show your understanding of the concepts, but to get most or all of the credit if you make an arithmetic error in the calculations. Note that an OVAL with height = width, i.e. h = w = 10, as shown above, is a CIRCLE!