

How to Use Binomial Calculator

Sample Size: 15

Success Probability: 0.3

Try to Find ($X > 4$)

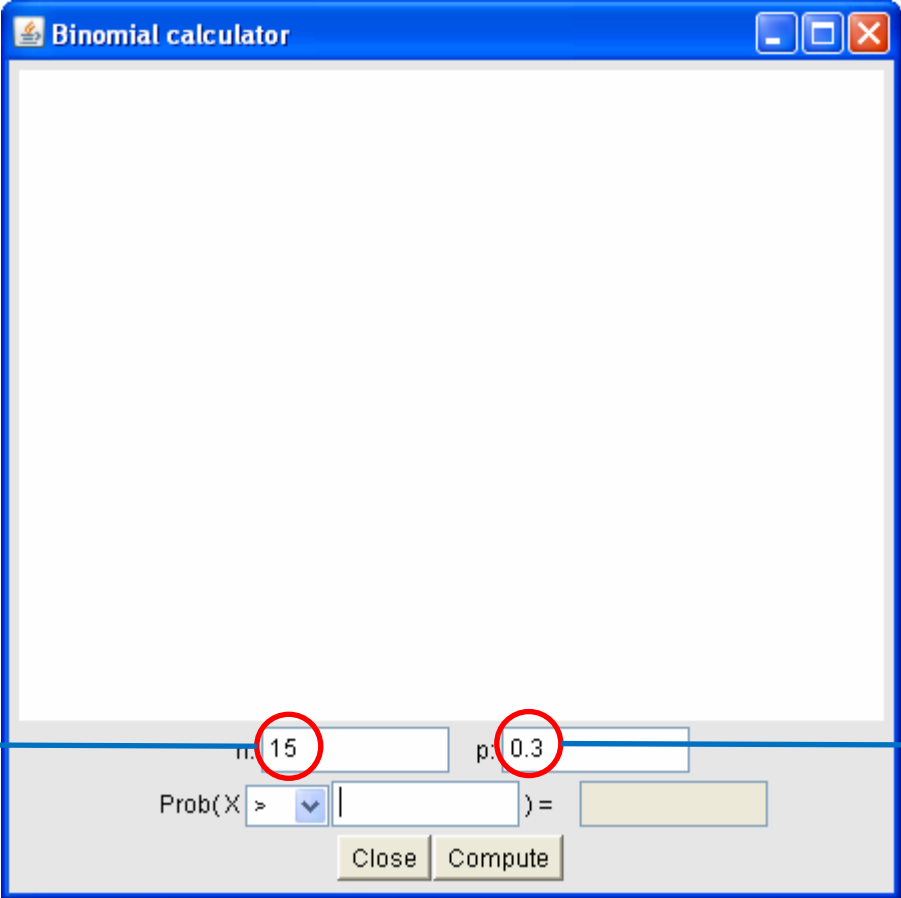
STEP 1. SELECT STAT → CALCULATOR → BINOMIAL

The screenshot shows the StatCrunch web application interface. The top navigation bar includes tabs for StatCrunch, Data, Stat, Graphics, and Help. The main workspace is a grid with columns labeled var1 through var13 and rows numbered 1 to 23. A dropdown menu is open under the 'Stat' tab, listing various statistical functions. The 'Calculators' option is selected, and a secondary dropdown menu is open, listing distribution types. 'Binomial' is highlighted in the secondary menu.

Row	var1	var4	var5	var6	var7	var8	var9	var10	var11	var12	var13
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
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21											
22											
23											

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STEP 2. PLUG-IN Sample Size and Success Probability

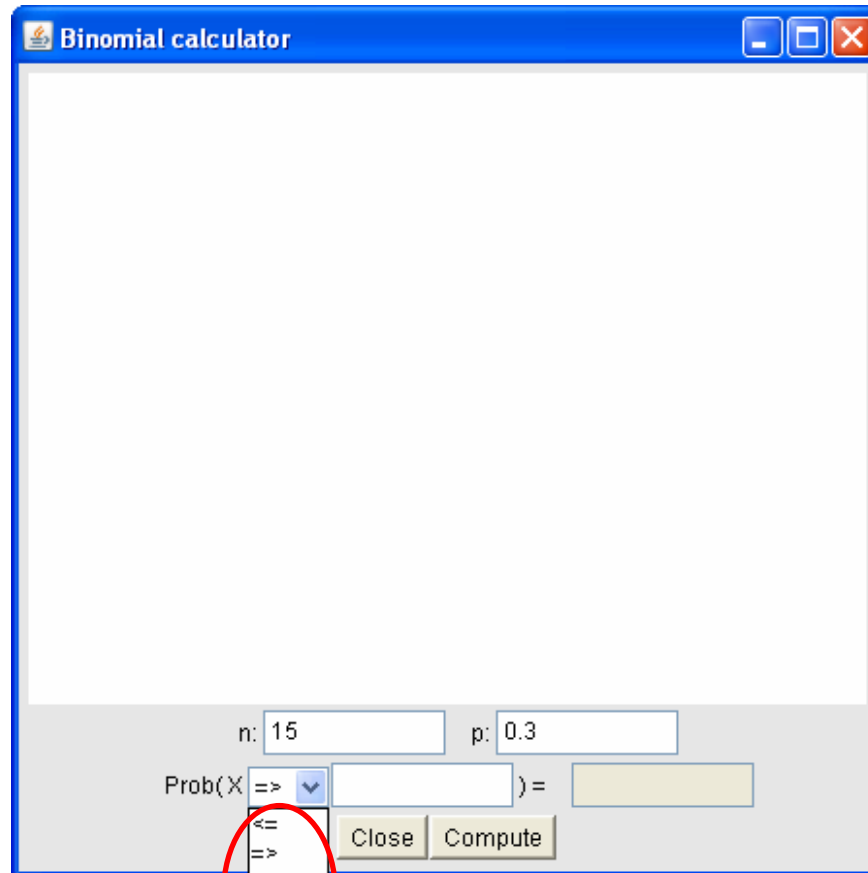


The image shows a screenshot of a "Binomial calculator" window. The window has a blue title bar with the text "Binomial calculator" and standard window control buttons (minimize, maximize, close). The main area of the window is empty. At the bottom, there is a control panel with the following elements:

- A label "n:" followed by a text input field containing the value "15".
- A label "p:" followed by a text input field containing the value "0.3".
- A label "Prob(X >" followed by a dropdown menu showing ">" and a text input field.
- A label ")" followed by an equals sign and a text input field.
- Two buttons: "Close" and "Compute".

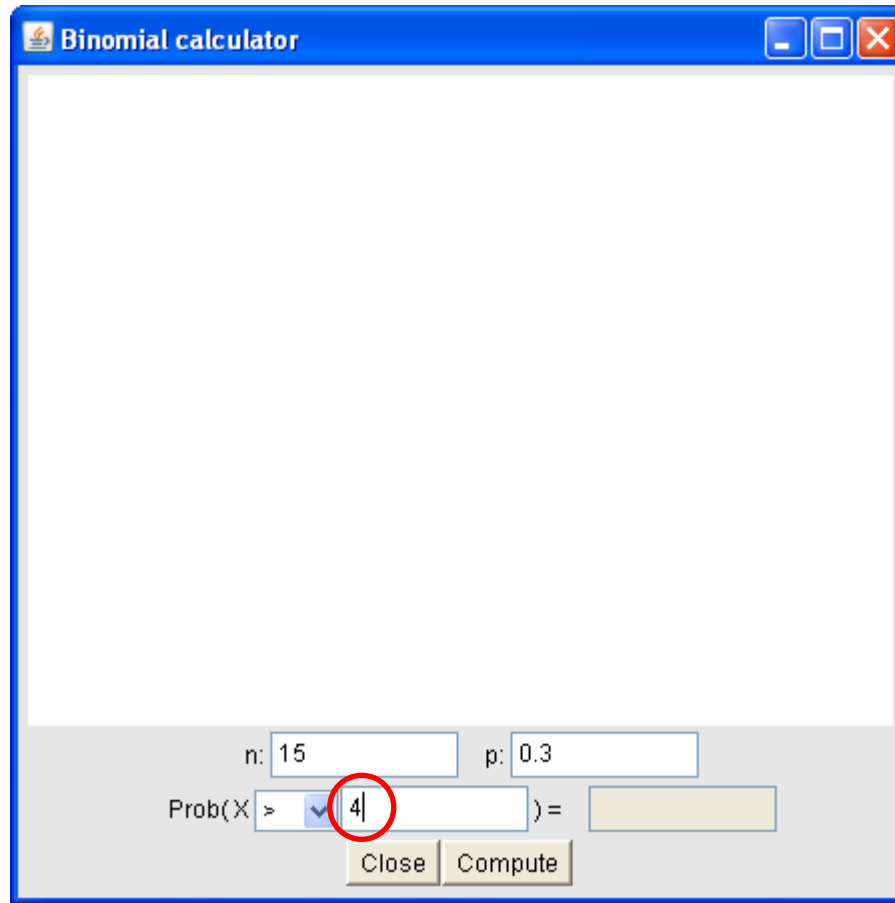
Two red circles are drawn around the input fields for "n" and "p". A blue double-headed arrow points from the "Sample Size" label on the left to the "n" input field, and another blue double-headed arrow points from the "Success Probability" label on the right to the "p" input field.

STEP 3. CHANGE SIGN ← Try to find $P(X > 4)$



Change Sign

STEP 4. PLUG-IN 4 in Red Circle



The image shows a window titled "Binomial calculator" with a blue title bar and standard window controls. The main area is empty. At the bottom, there is a control panel with the following elements:

- Input field for n : 15
- Input field for p : 0.3
- Label: Prob($X >$ [dropdown arrow] 4) =
- Input field for the result (empty)
- Buttons: Close, Compute

The number 4 in the dropdown menu is circled in red.

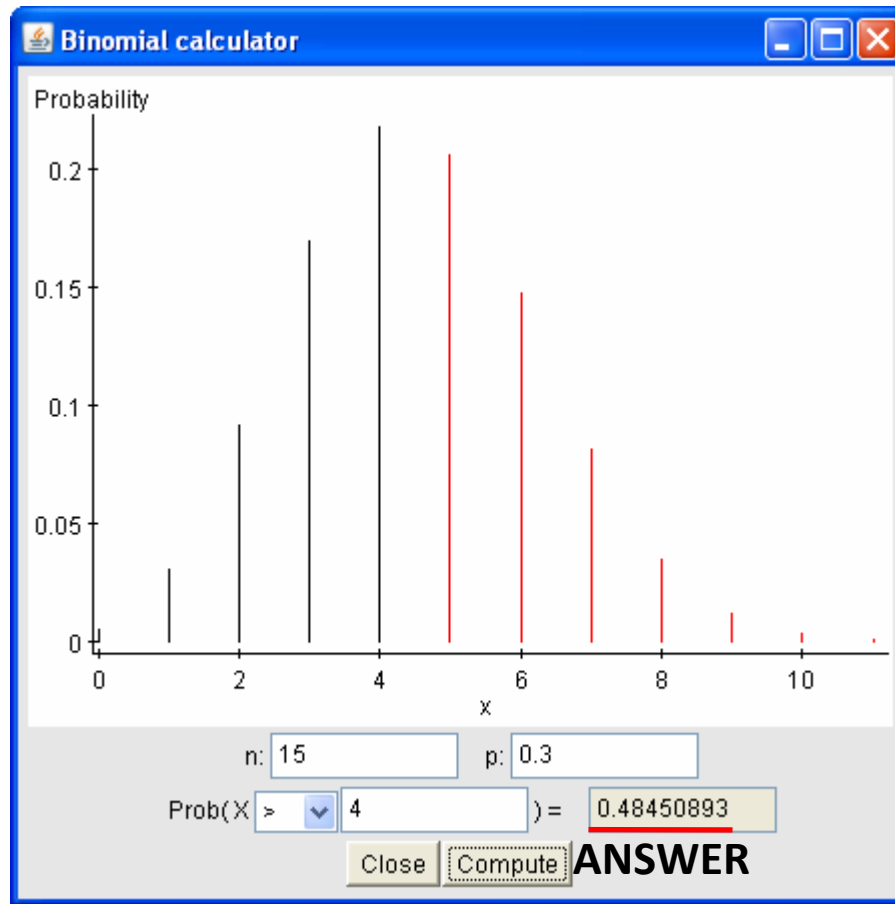
STEP 5. PRESS “COMPUTE”

The image shows a window titled "Binomial calculator" with a blue border and standard window controls (minimize, maximize, close). The main area is a large white rectangle. At the bottom, there is a grey panel containing input fields and buttons. The inputs are: "n: 15", "p: 0.3", and "Prob(X > 4) =". The "Compute" button is circled in red.

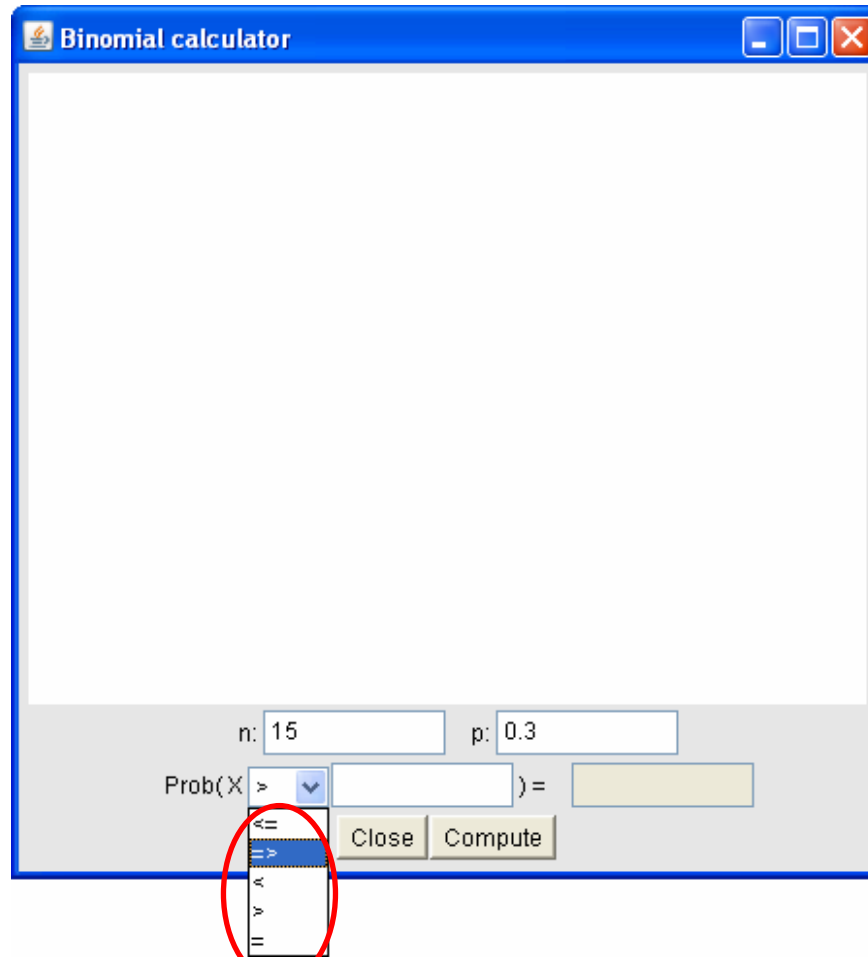
n: p:

Prob(X >) =

STEP 6. GET YOUR ANSWER



**By Changing the Sign, You Can Also Get
 $P(X \leq 4)$, $P(X < 4)$, $P(X \geq 4)$, $P(X > 4)$, $P(X = 4)$**



Change Sign