#### CRITBINOM

[Syntax](Syntax.docx):

CRITBINOM ( number-trials , success-probability , alpha )

Description: Computes the smallest value for which the cumulative binomial distribution is greater than or equal to a criterion value.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| number-trials | number | The number of Bernoulli trials. |
| success-probability | number | The probability of success on each trial. |
| alpha | number | The criterion value. |

Return Type and Value: number – The smallest value for which the cumulative binomial distribution is greater than or equal to a criterion value.

However, if

* number-trials < 0, #NUM! is returned.
* success-probability is < 0 or success-probability > 1, #NUM! is returned.
* alpha < 0 or alpha > 1, #NUM! is returned.

[Example:

CRITBINOM(6,0.5,0.75) results in 4
CRITBINOM(12,0.3,0.95) results in 6

end example]