



# SPECIAL POPUP FORMATS IN GRASSHOPPER 1/2

POPUP	DESCRIPTION
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>+</b> Addition</span> </div> <div style="text-align: center; margin-top: 5px;">+</div> </div>	PLUS CREATES AN „ADDITION” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>-</b> Subtraction</span> </div> <div style="text-align: center; margin-top: 5px;">-</div> </div>	MINUS CREATES A „SUBTRACTION” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>x</b> Multiplication</span> </div> <div style="text-align: center; margin-top: 5px;">*</div> </div>	ASTERISK CREATES A „MULTIPLICATION” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>/</b> Division</span> </div> <div style="text-align: center; margin-top: 5px;">/</div> </div>	ONE FORWARD-SLASH CREATES A „DIVISION” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>\</b> Integer Division</span> </div> <div style="text-align: center; margin-top: 5px;">\</div> </div>	A BACKWARD SLASH WILL CREATE AN „INTEGER DIVISION” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>%</b> Modulus</span> </div> <div style="text-align: center; margin-top: 5px;">%</div> </div>	THE PERCENT SYMBOL CREATES A „MODULUS” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>=</b> Equality</span> </div> <div style="text-align: center; margin-top: 5px;">=</div> </div>	THE EQUALS SYMBOL CREATES AN „EQUALITY” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>&gt;</b> Larger Than</span> </div> <div style="text-align: center; margin-top: 5px;">&gt; </div> </div>	CREATES A „SMALLER THAN” / „LARGER THAN” COMPONENT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span><b>π</b> Pi</span> </div> <div style="text-align: center; margin-top: 5px;">10*pi </div> </div>	IF THE FORMAT CONTAINS THE TEXT “PI” WITH AN OPTIONAL MULTIPLICATION FACTOR, THEN A „PI” COMPONENT WILL BE CREATED.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">5</div> </div>	IF THE FORMAT CAN BE EVALUATED AS A SINGLE NUMERIC VALUE, THEN A „SLIDER” WILL BE CREATED WITH THE SPECIFIED INITIAL VALUE AND SENSIBLE™ LOWER AND UPPER LIMITS.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">1&lt;15</div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">1..15</div> </div>	TWO NUMERICS SEPARATED BY A SMALLER THAN A SYMBOL OR BY TWO OR MORE CONSECUTIVE DOTS WILL CREATE A „SLIDER” WITH THE SPECIFIED LIMITS. THE INITIAL SLIDER VALUE WILL BE EQUAL TO THE LOWER LIMIT.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">1&lt;5&lt;15</div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 5px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">1..5..15</div> </div>	THREE NUMERICS SEPARATED BY A SMALLER THAN A SYMBOL OR BY TWO OR MORE CONSECUTIVE DOTS WILL CREATE A „SLIDER” WITH THE SPECIFIED LIMITS. THE INITIAL SLIDER VALUE WILL BE THE VALUE IN THE MIDDLE.
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between; align-items: center;"> <span> Number Slider</span> </div> <div style="text-align: center; margin-top: 5px;">1&lt;5.000&lt;15</div> </div>	ADDING TO ONE OF THE NUMBERS SOME DIGITS AFTER THE DOT (.DDD) WILL DEFINE THE PRECISION OF THE WHOLE SLIDER.



# SPECIAL POPUP FORMATS IN GRASSHOPPER 2/2

POPUP	DESCRIPTION
 Scribble ~ ....	ENTIRE CONTENTS WILL BE PLACED IN A "SCRIBBLE" OBJECT WHEN WRITING AFTER TILDE ~
 Panel "- //-	TWO FORWARD SLASHES OR A DOUBLE QUOTE WILL GENERATE A TEXT PANEL.
 Point 0,0,0	IF THE FORMAT CONTAINS TWO OR THREE NUMERICSEPARATED BY COMMAS, A POINT (PRIMITIVE) WILL BE CREATED WITH THE SPECIFIED COORDINATES. TYPING JUST TWO DIGITS WILL CREATE POINT ON XY PLANE
 Domain //0 to 10	PLACING "TO" BETWEEN TWO INTEGERS CREATES DOMAIN FROM FIRST DEFINED DECIMAL TO THE SECOND ONE
 Concatenate &	THE AMPERSAND CREATES A "CONCATENATION" COMPONENT.
 Calendar 10/02/2021	TWO OR THREE NUMERICSEPARATED BY FORWARD SLASHES WILL CREATE A "CALENDAR" OBJECT. THE ORDER OF VALUE IS MONTH/DAY/YEAR. IF YEAR IS OMITTED THEN THE CURRENT YEAR IS USED. NOTE THAT A SECOND SLASH IS REQUIRED BECAUSE #/# IS INTERPRETED AS A MATHEMATICAL OPERATION AND THUS RESULTS IN A SLIDER.
 Clock 12:15:45	IF THE FORMAT CONTAINS AT LEAST TWO NUMERICSEPARATED BY A COLON, A "CLOCK" OBJECT IS CREATED. SECONDS ARE OPTIONAL, AS ARE AM/PM SUFFIXES.

