

With this activity, the user will be able to handle a pie chart performing certain operations on the chart or with the data:



In the “Activity” tab we can find:

1 Haga doble clic para introducir datos

Título: Notas de Matemáticas 2º Bacharelato

1 Suspensos <5 2 Aprobado 5 3 Aprobado 6
 4 Aprobado 7 5 Aprobado 8 6 Aprobado 9
 7 8 9
 10 11 12

Incremento: 2 Verdana, Geneva, sans-serif 14
 Ancho: 200

	Valor	%
Suspensos <5	6	18,75
Aprobado 5	10	31,25
Aprobado 6	2	6,25
Aprobado 7	8	25
Aprobado 8	4	12,50
Aprobado 9	2	6,25
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0
	0	0

2 Seleccione los distintos modos para la actividad

Tipo de actividad:

Fija Libre Ajustar gráfico

Cubrir datos Ajustar datos y gráfico

Ver tabla de datos Ver tabla de %

Ancho: 300

AREA 1

1 Haga doble clic para introducir datos

Título **1** **2** **3**

1	Suspensos <5	<input type="checkbox"/>	2	Aprobado 5	<input type="checkbox"/>	3	Aprobado 6	<input type="checkbox"/>
4	Aprobado 7	<input type="checkbox"/>	5	Aprobado 8	<input type="checkbox"/>	6	Aprobado 9	<input type="checkbox"/>
7		<input type="checkbox"/>	8		<input type="checkbox"/>	9		<input type="checkbox"/>
10		<input type="checkbox"/>	11		<input type="checkbox"/>	12		<input type="checkbox"/>

Incremento **5** **6** **7** **8**

Ancho **9**

In the "Title" box (1), you need to write the text which will later appear at the top of the activity; in the field (2) you can adjust the font size and using the button (3) you can change the colour.

In the fields (4) you can write texts for each of the pie slices (12 slices maximum). Beside each of these areas there is a button to choose the colour of the corresponding sector which will later appear in the chart.

In the "Increase" field (5) we will choose the size of the sector in relation to the total of units in the graph. For example, if the sum of the numerical values of the sectors is 30 and we choose "3" as the increment, the chart will be divided into 10 equal parts.

With the button (6) we can choose the font type for the text that we have written in the fields (4), and which will be listed on the right of the graph; in the field (7) the font size and the button (8) allows us to choose the text colour. In the "Width" field (9) we will specify the width of the area that will occupy the data on the right of the graph. Have in mind that by increasing this area, you will also increase the height of the working area.

AREA 2

This table will allow us to assign a numerical value (2) in each of the fields (1) we have previously filled in area 1. The percentages for each field (3) will be automatically calculated by Ardora from the summation of all

	Valor	%
Suspensos <5	6	18,75
Aprobado 5	10	31,25
Aprobado 6	2	6,25
Aprobado 7	8	25
Aprobado 8	4	12,50
Aprobado 9	2	6,25
	0	0
1	2	3
	0	0
	0	0
	0	0
	0	0
	0	0

the values in column (2).

To insert the values, we have to double-click the table and a pop-up window will be shown:

By displaying these lists (1), we can set the values for each of the fields on your left (the values

Ardora		
	Valor	%
Suspensos <5	6	18,75
Aprobado 5	10	31,25
Aprobado 6	2	6,25
Aprobado 7	8	25
Aprobado 8	4	12,50
Aprobado 9	2	6,25

32 = 100%

are always multiples of the "increase" seen in Area 1). The percentages in column (2) will be automatically calculated by Ardora, as well as the information (3) shown at the bottom of the window.

AREA 3

In this area we regulate some of the characteristics of the activity and the way in which the user can interact with it:

2 Choose the different parameters for the activity

Activity type:

Established Open
 Insert data Adjust graph
 Adjust data and graph

2 View data table 4 Insert %

5 6

Width 3 300

In "Activity type" (1) we have five exclusive buttons. If you choose "Established", the user will not be able to interact with it and it would be just another form of presenting data.

If we choose the option "Insert Data" the box (2) "View data table" will automatically be marked and on the right of the graph there will be some drop-down lists so that the user chooses the suitable value for each sector in each of them; the values are always multiples of the "increase" seen in Area 1. In this case, if we also mark the box "(4) "Insert %" we will be able to see a second drop-down list where the user will need to choose a suitable percentage for each sector.

If you check the "Open" option, the check button disappears and the user has to colour the pie slices as he wants; furthermore, the users will need to choose the values for the data table and the percentages if we had previously marked those boxes.

By checking "Adjust graph" The user will have to colour the sectors depending on the values shown at this data table and / or the percentages, so we should necessarily mark the box (2) or (4)

unless the teacher provides extra information not included in the activity.

In this field (3) we must determine the width of the chart (as it is circular, the height will be exactly the same). If we increase this number, the height of the frame of the work area will automatically increase so that the graph is not shown outside of the work area.

Finally, with the buttons (5) we will indicate whether the boxes (workspace, attempts and successes, check ...) will have rounded corners or not, and the box (6) will make our activity compatible with touchscreen devices.