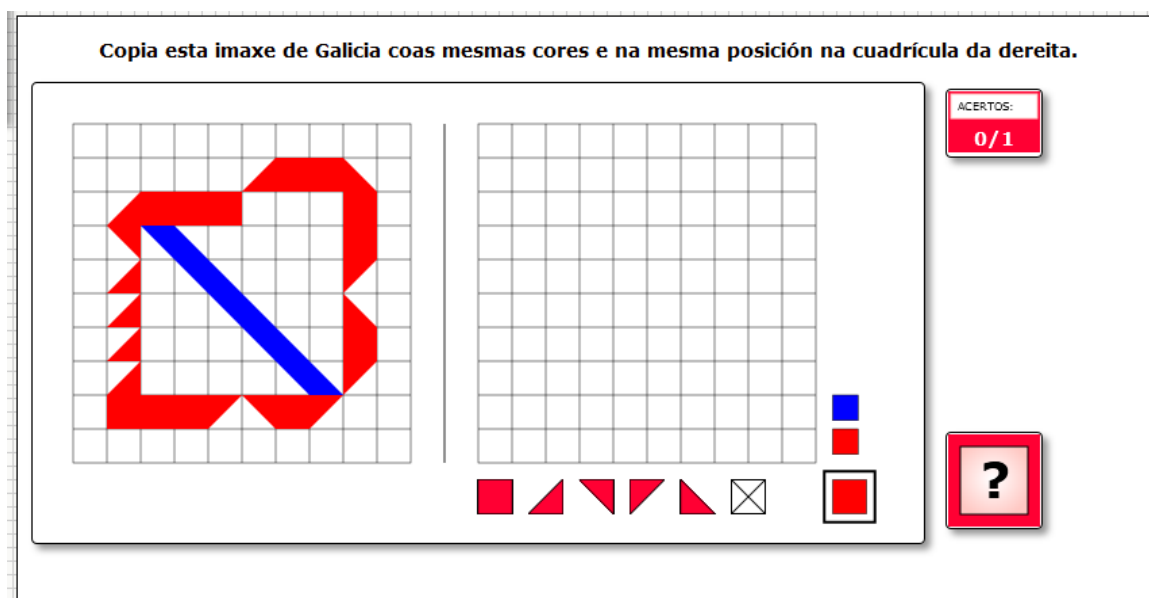
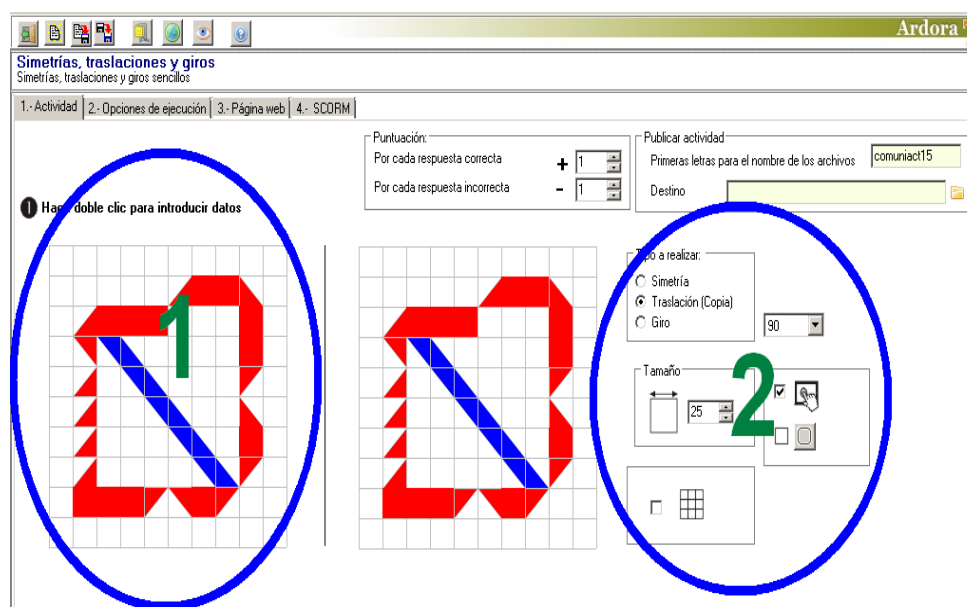


Activity where the user has to create a symmetrical pattern, an exact copy or create a rotation using certain number of degrees:

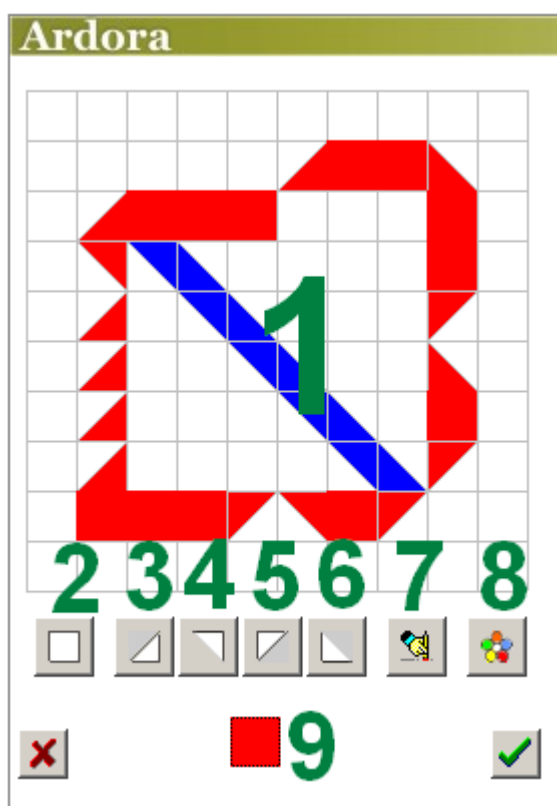


In the "*Activity*" tab we can find these items:



SECTION 1

Double click on the grid and you'll see a table where you can create your drawing:

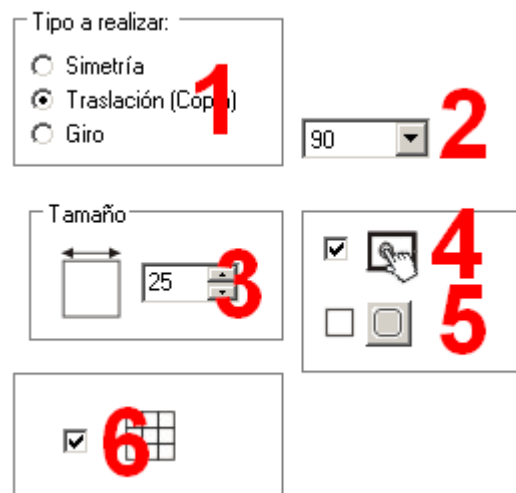


In the 10 x 10 grid, you'll see 100 squares where we can "paint". The first thing we should do is choosing the colour to paint in this button (8); once elected, the current colour will appear in the box number 9. Then we can choose the "brush" button (2) to paint the complete square, or (3-4-5-6) buttons to paint only half of the square in the suitable triangular area. This form is also shown in the sample (9). Apply shapes and colours to create your drawing, and if we're wrong at some point, we can always press on the button (7); at that point, the figure (9) will show a white square with a cross. If, once the cross is clicked, we click on any of the squares of the grid, its content will be deleted.

Once you finish and press the green button to validate, on the main screen you'll see the drawing you've just made on the left and a copy on the right grid.

SECTION 2

In the "Options" menu (1), we will determine whether the user will have to create the symmetrical figure, if you have to copy it, or whether you need to draw the picture rotated a certain number of degrees. In this last case, choose a rotation of 90, 180 or 270 in this drop down list (2). Clicking on each of these three radio buttons, you'll see on the grid on your right the exact figure to be reproduced by your students.

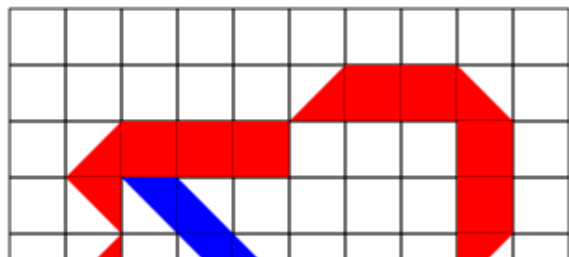


Interactive activity – Symmetries, translations and rotations

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In this field (3) we can choose the size of the little squares that make up our grid, so you should take into account that an increase in this field in "X" pixels, will cause an increase of "10X" pixels on the whole grid. With the box number 4 we will make the activity compatible with touchscreen devices. These buttons (5) allow you to choose if the activity will have rounded corners (excluding the grid). Finally, by checking this box (6) we can see the grid lines (easier) on the solid areas of the model:

activated:



desactivated:

