

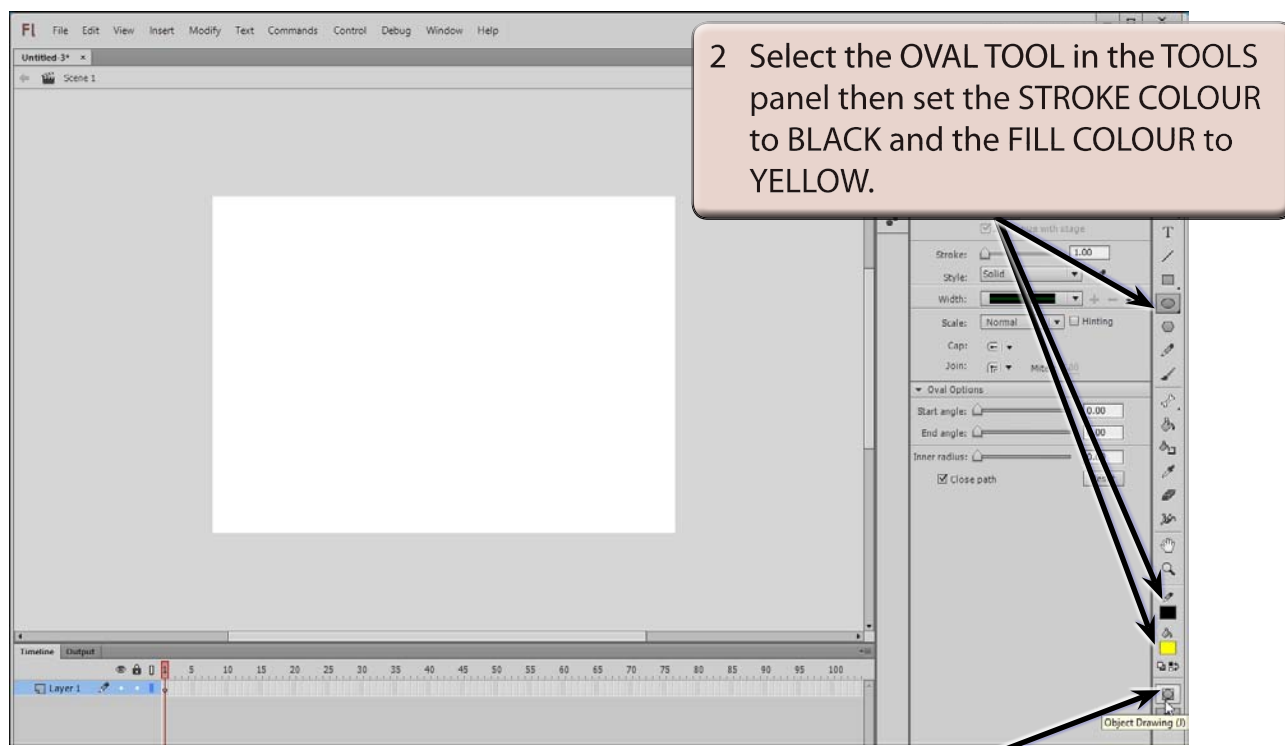
# Drawing Tools

Before creating Flash animations you need to be aware of the different Drawing Tools that Flash provides. You've already used the oval, rectangle, line and brush tools. This chapter will concentrate on some of the other drawing tools and techniques that are available in Flash.

## Cookie Cutting

*Cookie Cutting* causes one shape to replace part or all of another shape when it is placed over the first shape. Most vector drawing programs keep each drawn shape as a separate entity, but Flash treats shapes differently. The shape that is drawn first is at the back of the stage. The next shape that is drawn is stacked above the first and any part of the first shape that is covered by the second is erased. Flash uses *Cookie Cutting* to help reduce the size of files.

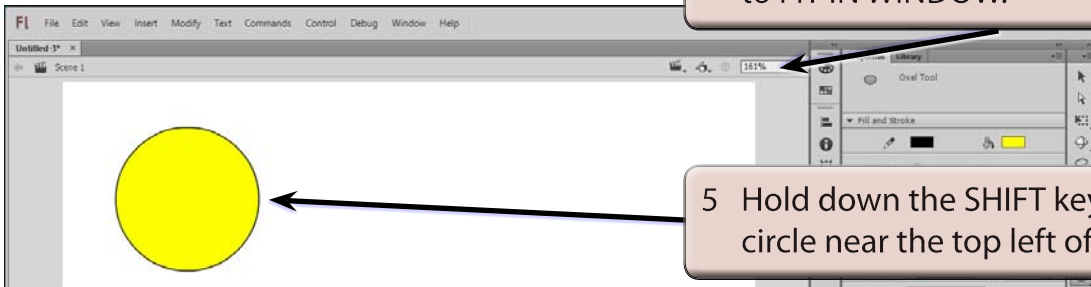
- 1 Load Flash or close the current file and create a new ACTIONSCRIPT 3.0 file.



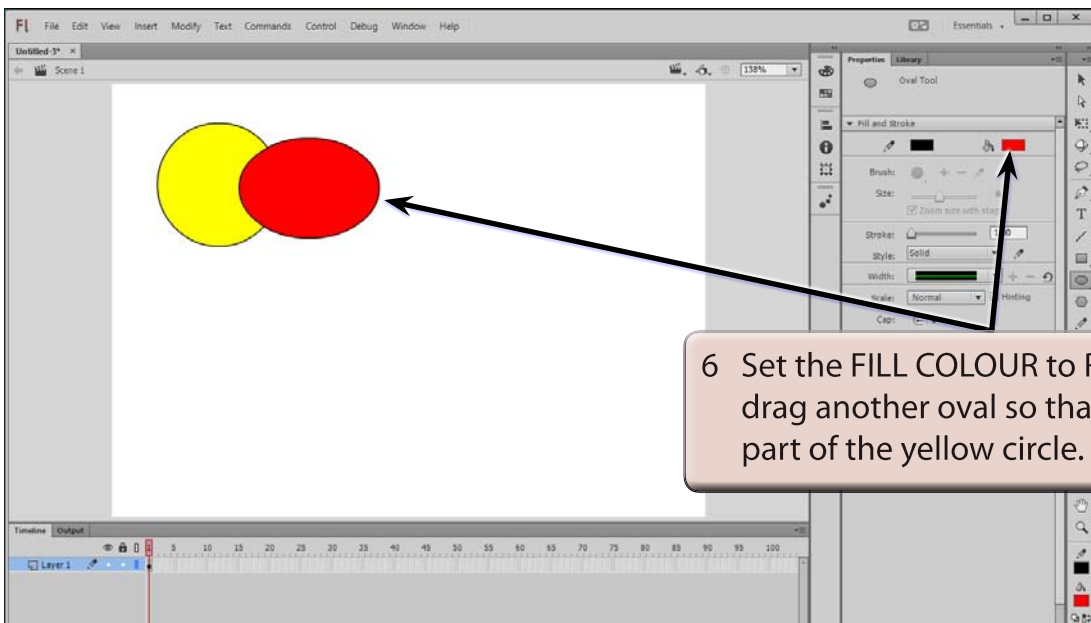
2 Select the OVAL TOOL in the TOOLS panel then set the STROKE COLOUR to BLACK and the FILL COLOUR to YELLOW.

3 Check that the OBJECT DRAWING button is turned off in the OVAL OPTIONS section of the TOOLS panel. It should not be shaded.

4 Use the ZOOM box to set the stage to FIT IN WINDOW.



5 Hold down the SHIFT key and drag a circle near the top left of the stage.

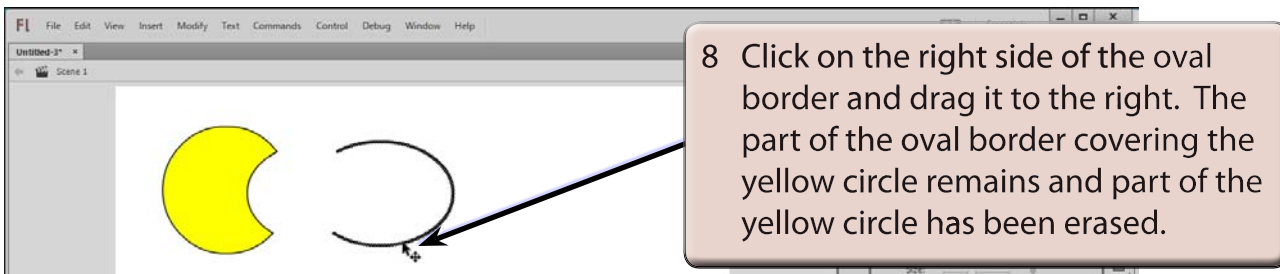


6 Set the FILL COLOUR to RED and drag another oval so that it covers part of the yellow circle.



7 Click on the SELECTION TOOL in the TOOLS panel, click the pointer inside the red oval and press the DELETE key. The oval fill should be removed and the border should remain.

**NOTE: When you draw an oval or rectangle in Flash the shape has two parts, a fill and a border (or stroke).**

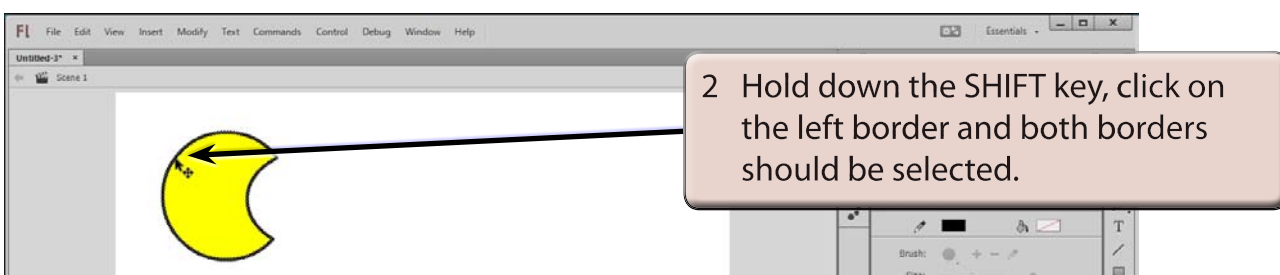
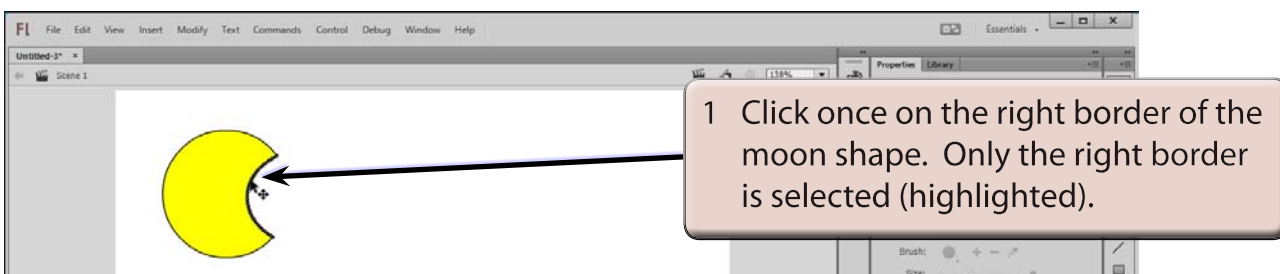


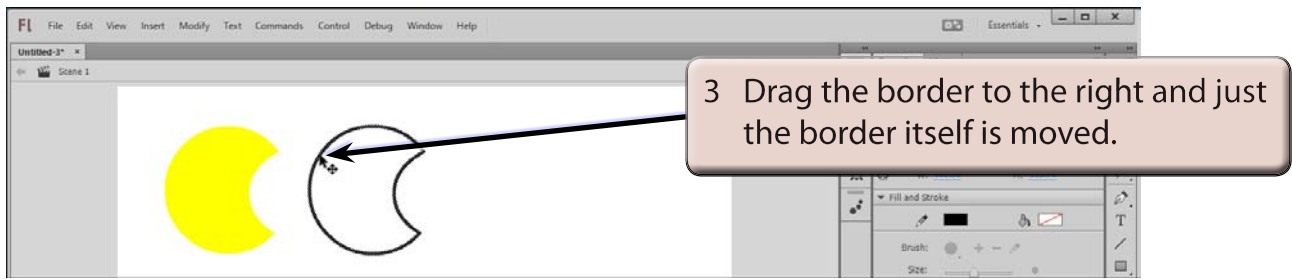
**NOTE:** This is what is meant by **COOKIE CUTTING** - the red oval cookie has cut the yellow circle cookie. It is a good way of creating a half moon shape.

- 9 The remaining part of the oval border should still be selected, press the DELETE key to remove it.

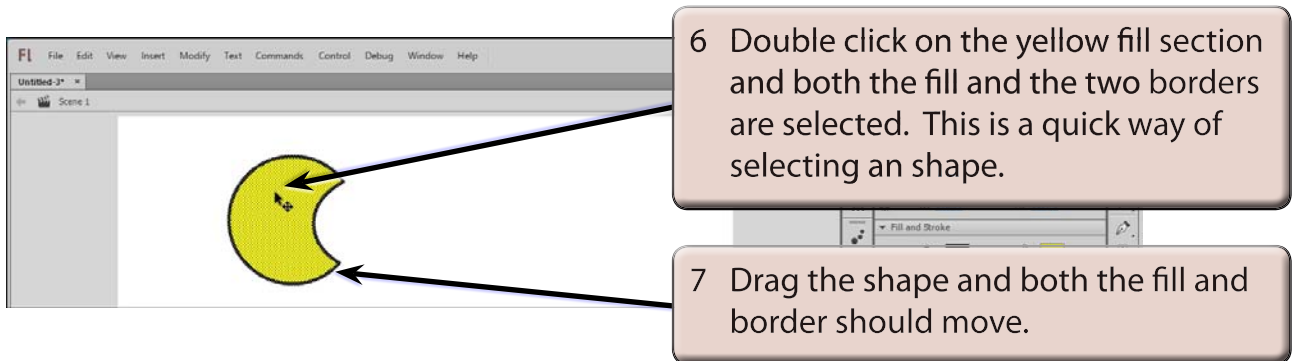
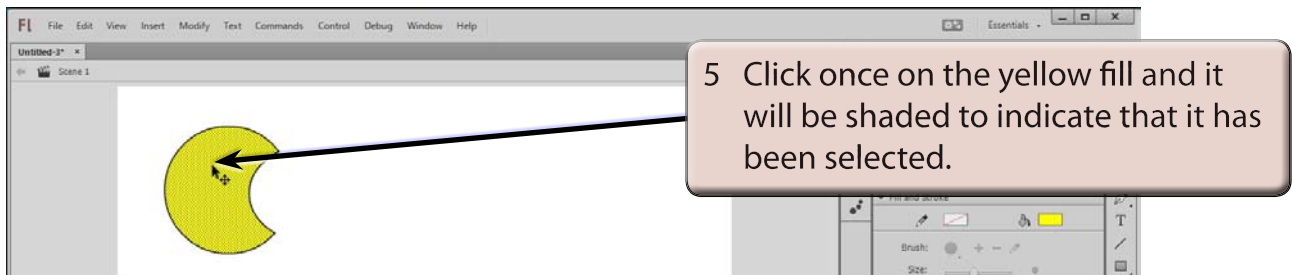
## Selecting Shapes

As you have seen, when you draw circles or rectangles they have both a border and a fill section. There are a number of ways of selecting each.





- 4 Select UNDO MOVE by pressing CTRL+Z (Windows) or COMMAND+Z (Macintosh) to return the border to the fill.



- 8 Press the DELETE key to delete the half moon shape.