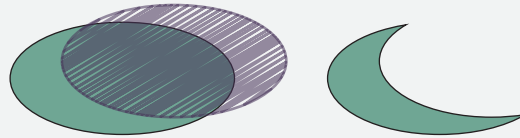


# PATHFINDER TOOLS

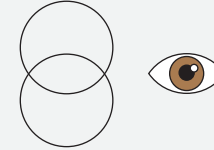
unite



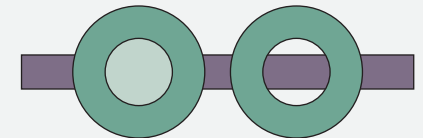
minus front



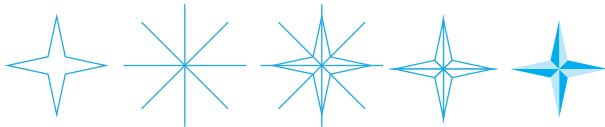
intersect



exclude



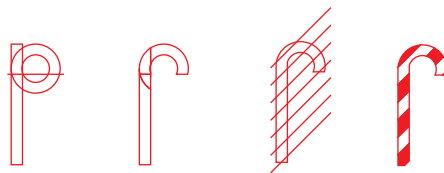
a



b



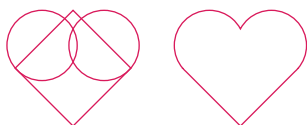
c



d



e



## divide

To make the nautical star **(a)** do the following:

1. Draw a four pointed star. You may need to adjust radius 2 (the inner points) by clicking the tool once and then your pasteboard once to get the options dialogue box.
2. Draw a straight line and then select it and copy rotate it 45°. You can now press `cmd + D` for transform again until you get all your radial lines.
3. Select both your radial lines and your star and then align them using horizontal and vertical align center options.
4. While you still have the components selected, open your pathfinder panel and click divide.
5. Finally ungroup and color (remember shift allows you select more than one object at a time).

The spearment candy **(b)** follows the same pattern. The only difference is that I added an twist effect to the radial lines.

1. Select radial lines and go to `effect > distort & transform > twist`.
2. Enter % and press `OK`.
3. Finally expand your appearance to make the effect permanent, `object > expand appearance`.

The candy cane **(c)** lotus flower **(d)** and the heart **(e)** demonstrate using multiple pathfinder functions to accomplish the desired shape.

1. Draw your object with your shape tools.
2. Divide and ungroup your objects
3. Delete any objects you do not want
4. Add the remainder shapes together using `pathfinder > unite`.