# ZURB Foundation or Bootstrap?

These are the two most popular front-end frameworks at the moment. Choosing between Foundation or Bootstrap is like choosing between red or white wine. One isn’t necessarily better than the other, they just pair wel with different things.

## Grid System

The core feature that enables designers and developers to rapidly prototype layouts and make quick changes. Foundation has always been slightly ahead of the curve in this area. It was the first big framework to go responsive and also the only big mobile-first framework for a period of time. However, Bootstrap also has these features in place now. The syntax of creating grid can be slightly different.

Block grids in Foundation can convert an unordered list into a grid. Currently there are a few grid features in Foundation that might make it a better option in specific instances. Example: Block grid makes it simple to split the contents of an unordered list into an evenly spaced grid. Just specify the number of elements in each row and Foundation takes care of the rest. It also has the ability to easily collapse columns and remove gutters with the collapse class or center columns with the centered culumns syntax.

**Conclusion**: Foundation was first big framework to go responsive and also the only big mobile-first framework. Bootstrap also has these features in place now.

## Sizing Units

Calculating widths, typography and nearly everything else, Bootstrap uses pixels and Foundation uses rems. There are functional differences between these two units but both are capable of producing the same result. Pixels might be more familiar to graphic artists and new web designers. Pixels are an absolute unit but in the age of responsive design, a relative unit like rems helps me think in terms of porportions. It’s a matter of perspective and personal workflow. Example: 1em is 10px, instead of the default 16px. To set the font-size to 14px is 1.4em. For browsers that don’t support rem units we can specify the fall-back using px. Example: body { font-size: 14px; font-size: 1.4rem; }

**Conclusion**: Bootstrap uses pixels and are an absolute unit. Graphic artists and new web designers are more familiar with this. Foundation uses rems and are a relative unit and helps to think in terms of porportions.