

1. What is the difference between an adaptive website and a fully responsive website?

Adaptive adjust to the browser sizing and “snaps” the rendering at specific break-points.

Responsive is a “smoother” transition and fluidly changes the rendering of the site no matter the browser’s sizing on a device.

2. Describe what it means to be mobile first vs desktop first.

Mobile first means that you begin the design/development from a mobile viewport dimensions and work your way “up” to desktop viewport dimensions.

Desktop first is the inverse and you work “down” from Desktop viewport dimensions to a mobile device viewport dimensions.

3. What does `font-size: 62.5%` in the `html` tag do for us when using `rem` units?

Font sizes in percentages relate to pt/px sizes. So 100% = 16pt/px.

When we change it to 62.5%, we are taking 62.5% of 16pt/px, which is 10pt/px.

When we add that to rems, the browser is taking the value of 10px and adding another 10px on it.

So 1rem = 10px

And 2rem = 20px

This makes working with font sizes easier to do as it is a round number and allows the adding of decimals to increment px by 1 px. Ex:

1.5rem = 15px

4. How would you describe preprocessing to someone new to CSS?

I would tell the person that preprocessing is a system that allows you to take multiple CSS files and compile them together into one large css file. It helps making changes in CSS more efficient and faster, especially when you have a large or multiple stylesheets.

It allows you to nest your css elements into levels so instead of writing each element line by line.

I also allows you to create variables and mixin “functions” to help you create a more dynamic and manageable css code base, rather than making changes on individual line levels.

5. What is your favorite concept in preprocessing? What is the concept that gives you the most trouble?

I like all of it. Nesting, variables, and mixins help make writing css more organized, faster, and efficient for me.

I think nesting can sometimes give me the most trouble because I get so caught up in just writing my css, I tend to forget the specificity rule still applies, so if I don' t specify the parent element, the code won't render/work.