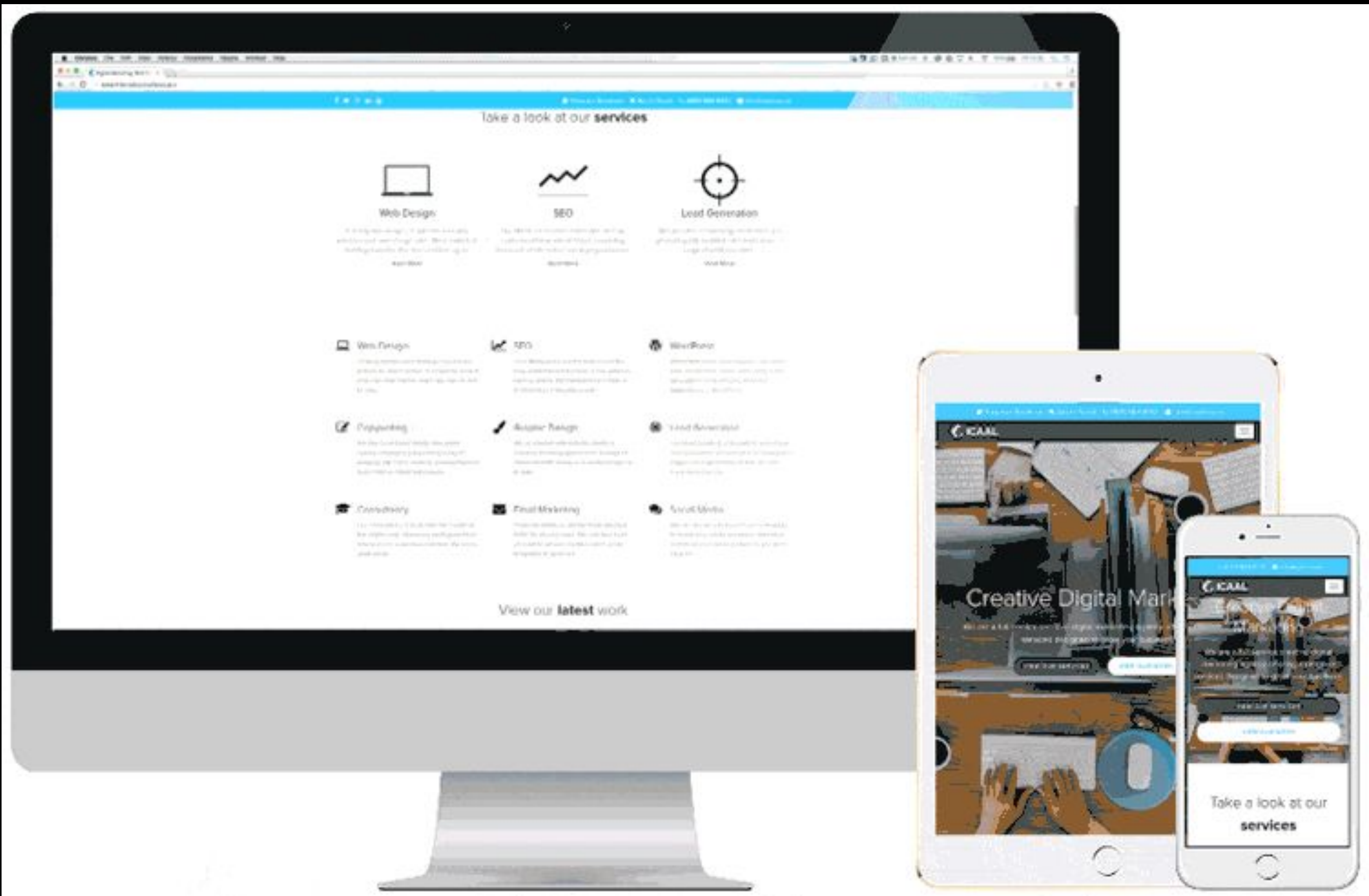# RESPONSIVE WEB DESIGN

RESPONSIVE WEB DESIGN

MOBILE TRAFFIC IS AS RELEVANT AS DESKTOP TRAFFIC NOW

WE SHOULD BUILD FOR THE TYPE OF SCREENS THAT WILL BE USED TO ACCESS OUR SITES - SOMETIMES OUR WEB EXPERIENCES ARE NOT MEANT FOR MOBILE AND THAT IS OK! SERIOUSLY, LET THE CONTENT DO THE TALKING!!!!!!!

METHODS:
1. ALTERNATIVE STYLE SHEETS, E.G. MOBILE.CSS
2. MEDIA QUERIES - FIGURE OUT WHAT RESOLUTION OF DEVICE IT'S BEING SERVED ON
3. FLEXIBLE IMAGES AND FLUID GRIDS
4. FONT ICONS OR SVG

RESPONSIVE WEB DESIGN

MEDIA QUERY

```
<link rel="stylesheet" media='(min-width: 140px) and (max-width: 380px)' href="phone.css"/>
<link rel="stylesheet" media='(min-width: 381px) and (max-width: 700px)' href="tablet.css"/>

@media (max-width: 600px){
    body {
            color: white;
    }
}
```

MOST COMMON INSTANCES USE `min-width` `max-width` PROPERTIES BUT THERE ARE MANY MORE TO FINE TUNE YOUR SITE OR APP'S FUNCTIONALITY AND RESPONSIVENESS - READ UP ON MEDIA QUERY SYNTAX IF YOU REALLLLLLY WANT TO KNOW

ARE BASICALLY "IF" STATEMENTS

RESPONSIVE WEB DESIGN

MOBILE FIRST DESIGN
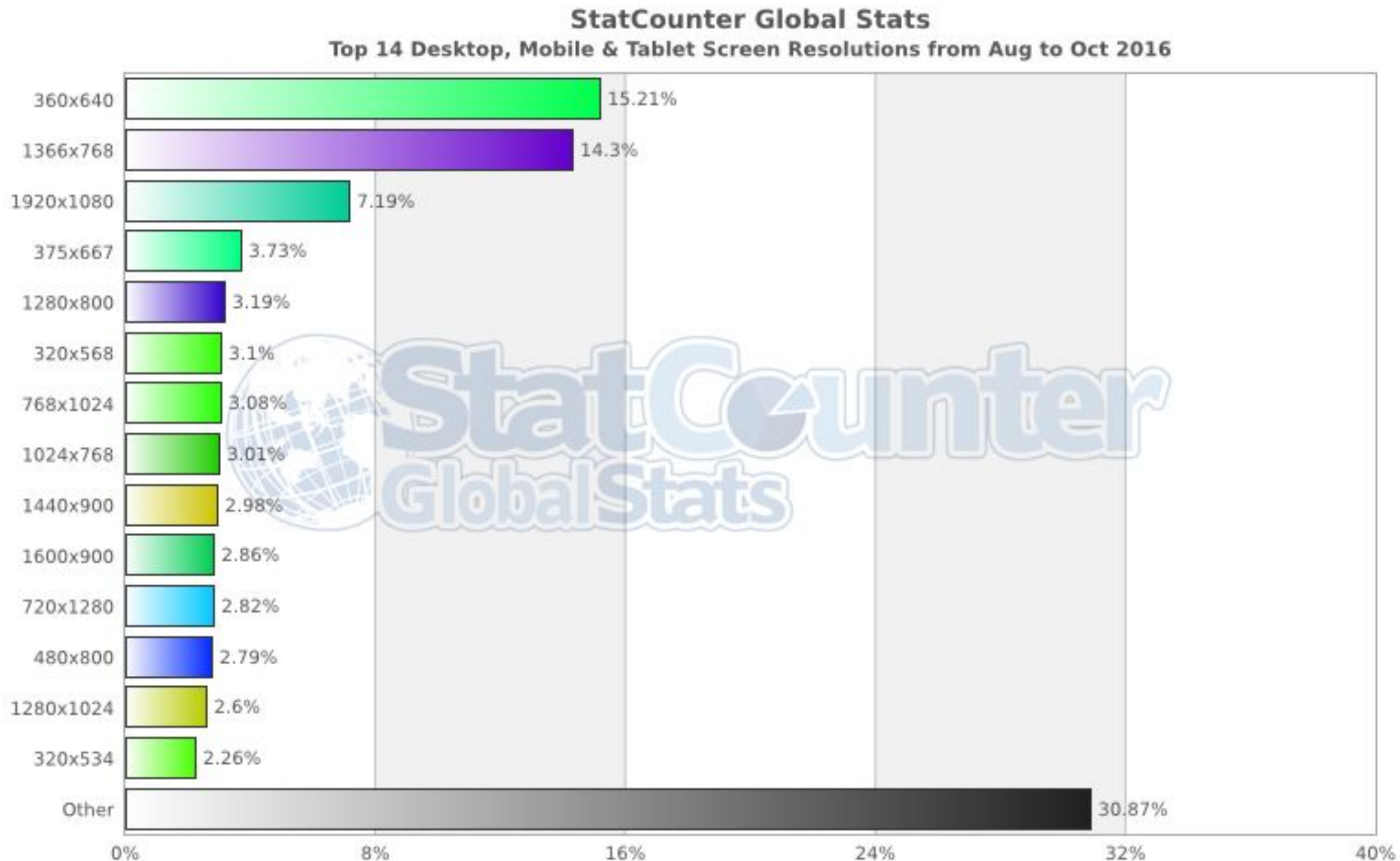
DESIGN FOR MOBILE BEFORE DESIGNING FOR DESKTOP OR ANY OTHER DEVICE (THIS WILL MAKE THE PAGE DISPLAY FASTER ON SMALLER DEVICES)

INSTEAD OF CHANGING STYLES WHEN THE WIDTH GETS SMALLER, WE SHOULD CHANGE THE DESIGN WHEN THE WIDTH GETS LARGER

SO IF YOU HAVE A SINGLE STYLE SHEET INCLUDING MEDIA QUERIES, YOUR BASE STYLE SHEET SHOULD CONTAIN ALL STYLES FOR MOBILE THEN THE MEDIA QUERIES CONTROL STYLES FOR LARGER DEVICES
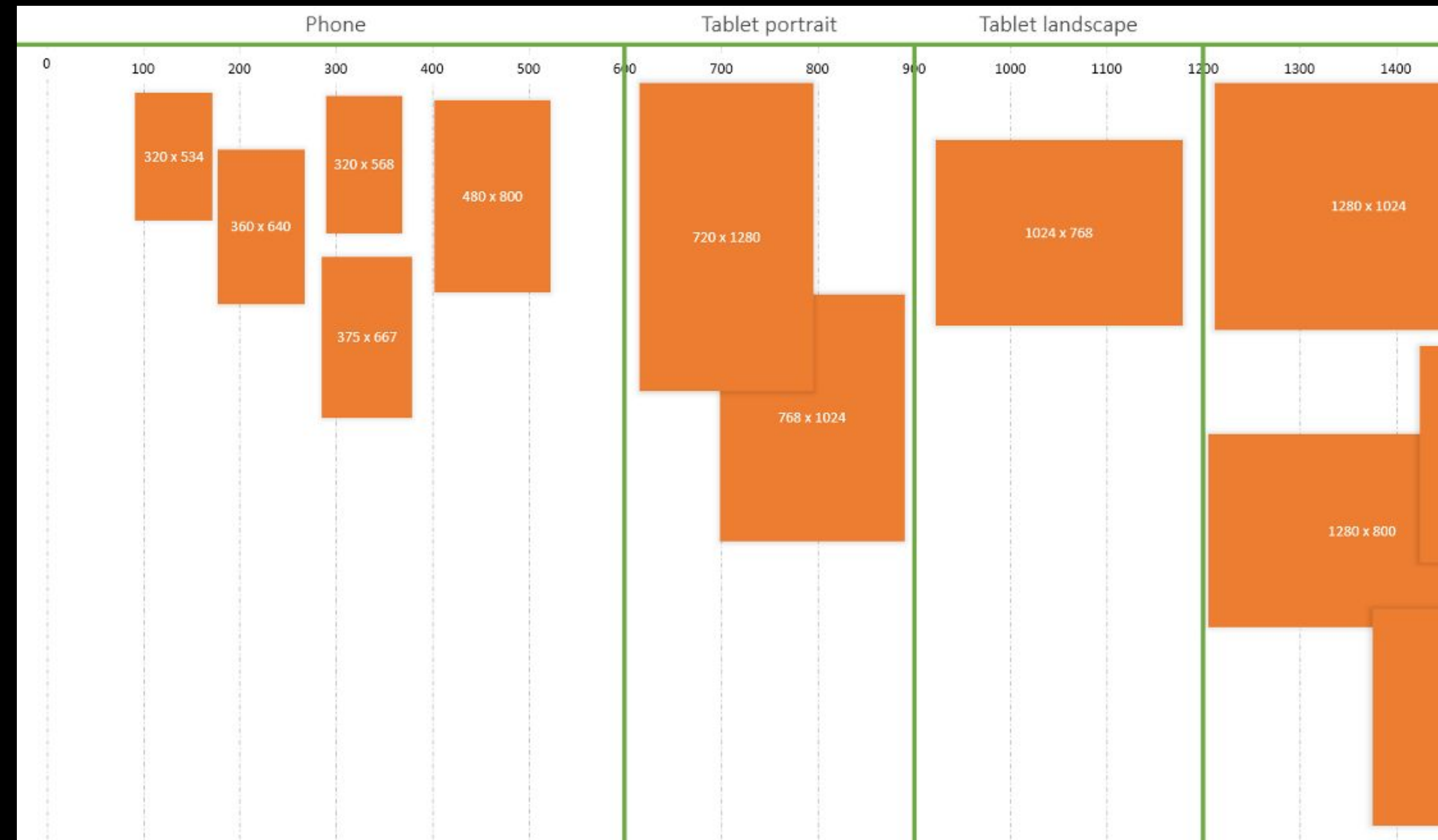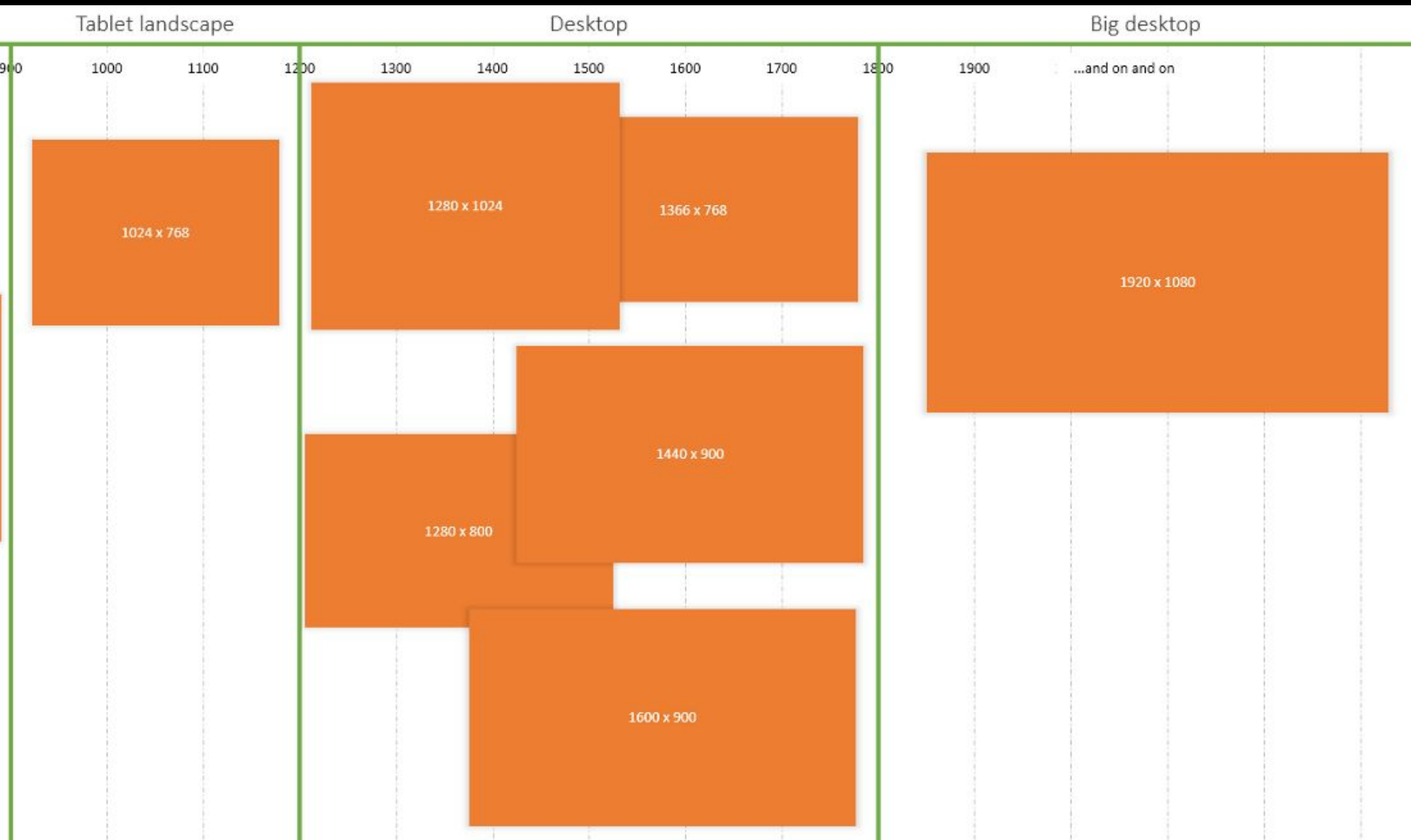
RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

StatCounter Global Stats
Top 14 Desktop, Mobile & Tablet Screen Resolutions from Aug to Oct 2016

Resolution	Percentage
360x640	15.21%
1366x768	14.3%
1920x1080	7.19%
375x667	3.73%
1280x800	3.19%
320x568	3.1%
768x1024	3.08%
1024x768	3.01%
1440x900	2.98%
1600x900	2.86%
720x1280	2.82%
480x800	2.79%
1280x1024	2.6%
320x534	2.26%
Other	30.87%

RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

RESPONSIVE WEB DESIGN

COMMON BREAKPOINTS

`@media (max-width: 599px)`

`@media (min-width: 600px)`

`@media (min-width: 900px)`

`@media (min-width: 1200px)`

`@media (min-width: 1800px)`

HOMEWORK

IN CLASS WORK: WEBSITE DESCRIPTION, RESEARCH AND SITE-MAP WORK

READ CHAPTER 15