



Now that we have seen some concepts of how a grid is built, let's code our own solution based on these ideas.

Here is a very simple HTML file:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Grid test</title>

  <link rel="stylesheet" href="grid.css">
</head>
<body>

<div class="grid">
  <div class="grid-12">
    <div class="bg">grid</div>
  </div>

  <div class="grid-6">
    <div class="bg">grid</div>
  </div>
  <div class="grid-6">
    <div class="bg">grid</div>
  </div>

  <div class="grid-4">
    <div class="bg">grid</div>
  </div>
  <div class="grid-4">
    <div class="bg">grid</div>
  </div>
  <div class="grid-4">
    <div class="bg">grid</div>
  </div>

  <div class="grid-3">
    <div class="bg">grid</div>
  </div>
</div>
```

```

    <div class="grid-3">
      <div class="bg">grid</div>
    </div>
    <div class="grid-3">
      <div class="bg">grid</div>
    </div>
    <div class="grid-3">
      <div class="bg">grid</div>
    </div>
  </div>

</body>
</html>

```

And that's how styles can look:

```

* {
  box-sizing: border-box;
}

body {
  max-width: 60em;
  margin: 2em auto;
  font-family: sans-serif;
  overflow-x: hidden;
}

.bg {
  background: #EEE;
  padding: 0.2em;
  margin-bottom: 1em;
}

.grid::before, .grid::after {
  content: "";
  display: table;
}

.grid::after {
  clear: both;
}

.grid {
  margin-left: -10px !important;
  margin-right: -10px !important;
}

.grid-1,

```

```
.grid-2,  
.grid-3,  
.grid-4,  
.grid-5,  
.grid-6,  
.grid-7,  
.grid-8,  
.grid-9,  
.grid-10,  
.grid-11,  
.grid-12  
{  
    float: left;  
    padding-left: 10px;  
    padding-right: 10px;  
}  
  
.grid-12 {  
    width: 100%;  
}  
  
.grid-11 {  
    width: calc(8.33333333333333% * 11);  
}  
  
.grid-10 {  
    width: calc(8.33333333333333% * 10);  
}  
  
.grid-9 {  
    width: calc(8.33333333333333% * 9);  
}  
  
.grid-8 {  
    width: calc(8.33333333333333% * 8);  
}  
  
.grid-7 {  
    width: calc(8.33333333333333% * 7);  
}  
  
.grid-6 {  
    width: calc(8.33333333333333% * 6);  
}  
  
.grid-5 {  
    width: calc(8.33333333333333% * 5);
```

```
}  
  
.grid-4 {  
  width: calc(8.33333333333333% * 4);  
}  
  
.grid-3 {  
  width: calc(8.33333333333333% * 3);  
}  
  
.grid-2 {  
  width: calc(8.33333333333333% * 2);  
}  
  
.grid-1 {  
  width: calc(8.33333333333333% * 1);  
}
```

In the next section we will apply this concept to our project.