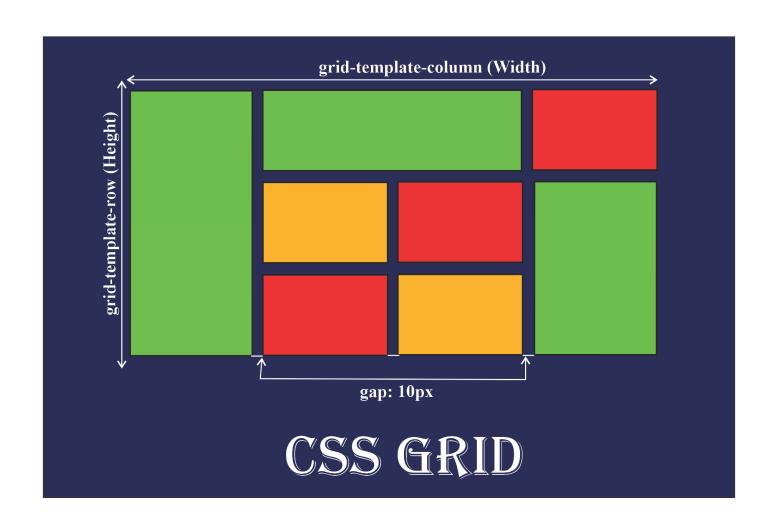
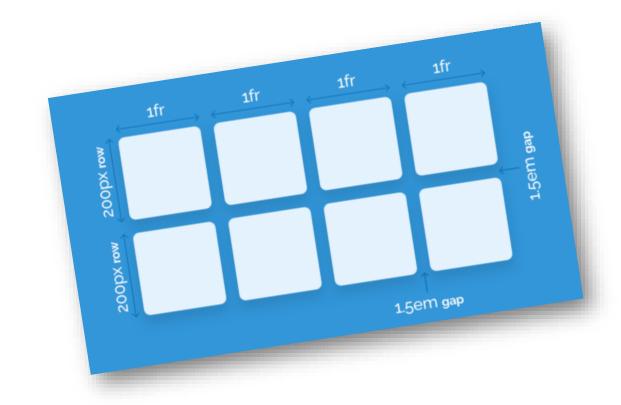
CSS GRID THEORY

Video to watch before session





- ✓ Grid Terminology
- ✓ Create the Grid Temple
- ✓ Naming Grid Areas
- ✓ Properties of grid container:
 - grid-template-columns
 - grid-template-areas
 - grid-area
 - gap







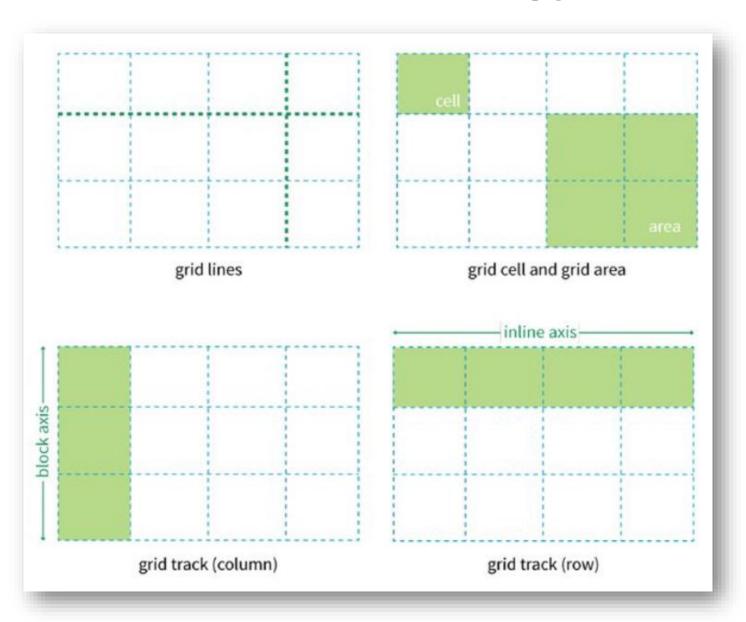
How CSS Grids Work

- ✓ Set an elements display gird to create **grid container**. Its children would become **grid items**.
- ✓ Set up the **columns** and **rows** for the grid.
- ✓ Assign each grid item to an area on the grid.





Grid Terminology







Creating a grid container

05 MIN

To make an element a grid container, set its display property to grid

All of its children automatically become grid items



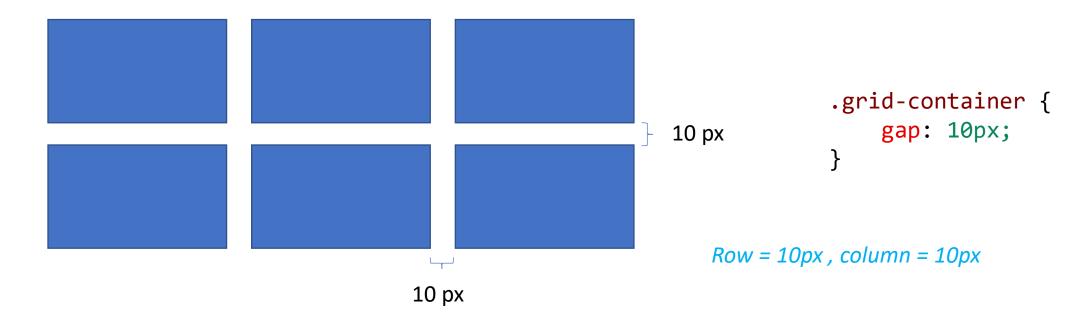
```
.container {
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
}
.box {
    height: 200px;
    border:1px solid □#ccc;
    background: □#0642e6;
    color: □#fff;
```





Grid Gap

To make the space in grid layout we can use gap or margin.



The value of the gap here is used in both rows and columns.

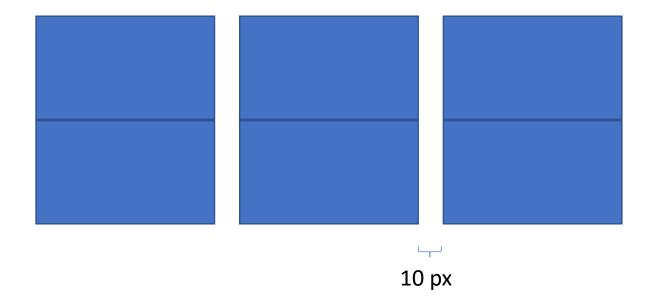
It means we set the row-gap = 10px and the column-gap = 10px.





Grid Gap

To make the space in grid layout we can use gap or margin.



```
.grid-container {
    gap:0 10px;
}
```

Row = Opx, column = 10px





Grid Gap

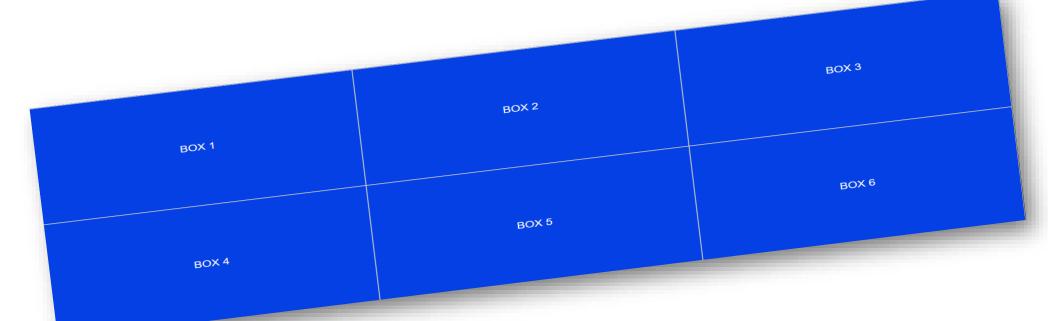
What is the **value** of **gap** here?



Activity 1

Define the layout like this picture with HTML that teacher provide Using **gap** properties

- ✓ Make space only row
- ✓ Make space only column
- ✓ Make the space row & column

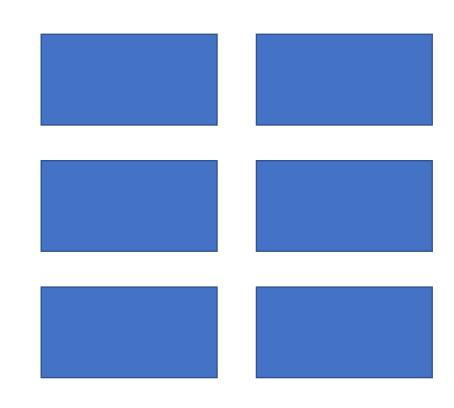




Grid Template Column

05 MIN

```
.grid-container{
    display: grid;
    grid-template-columns: 50% 50%;
.grid-container{
    display: grid;
    grid-template-columns: auto auto;
.grid-container{
    display: grid;
    grid-template-columns: 1fr 1fr;
```



CSS Grid Layout introduces a new **unit** of **length** called fr, which is short for "**fraction**". We can use any unit in CSS like **px, em,** and **rem** but we suggest: **fr** is easy!





Grid Template Column

05 MIN

```
.grid-container{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
.grid-container{
   display: grid;
   grid-template-columns: 1fr 1fr 1fr;
                OR
.grid-container{
   display: grid;
   grid-template-columns: repeat(4, 1fr);
```





Grid Template Column

05 MIN

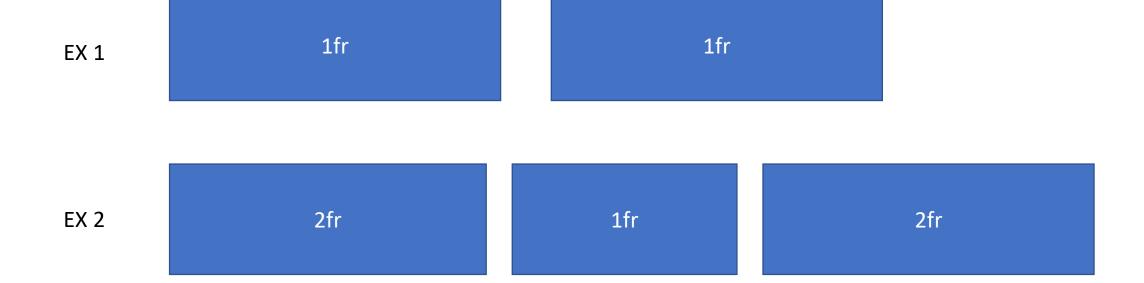
```
.grid-container{
    display: grid;
    grid-template-columns: 1fr 1fr 2fr;
}
```





Activity 2

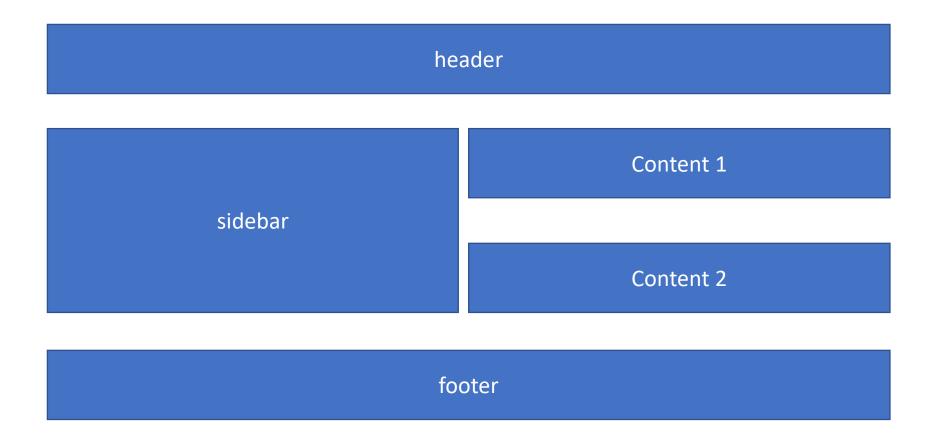
Define the layout like this picture with HTML that teacher provide Using *grid-template-columns*







Grid Template Area



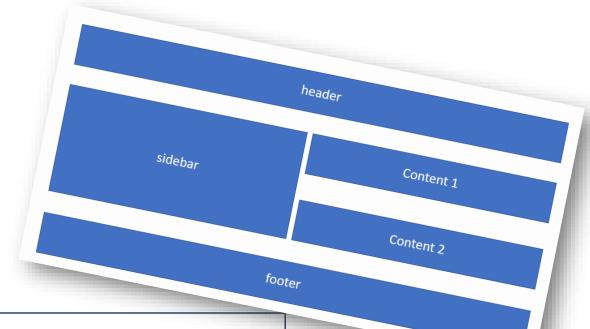
Grid area is the easy ways in **CSS Grid layout** to define the **column** of **layout faster**.





Example

05 MIN

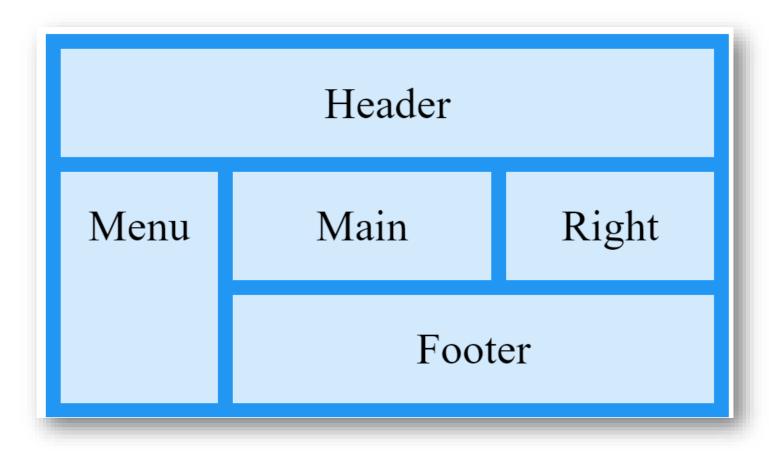


```
.grid-container{
    display: grid;
    grid-template-columns: repeat(2,1fr);
    grid-template-areas:
    'header header'
    'sidebar content1'
    'sidebar content2'
    'footer footer';
}
.header{
        grid-area: header;
        sidebar{
        grid-area: sidebar;
        }
        .content1{
            grid-area: content1;
        }
}
```

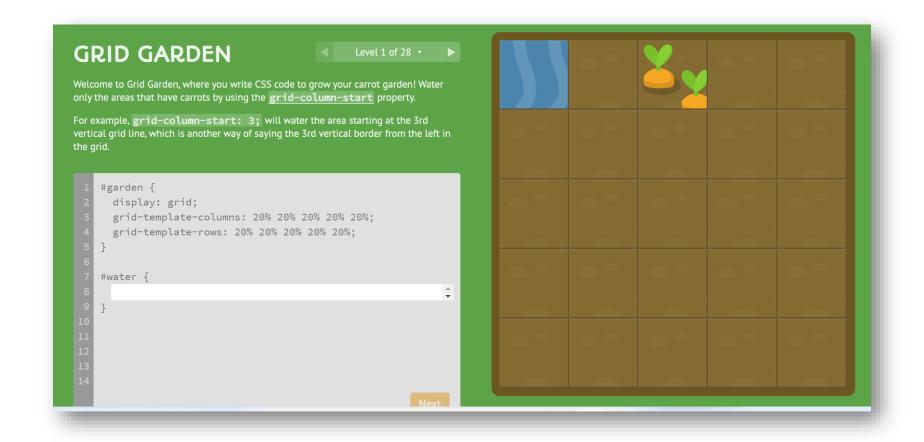


Activity 3

Define the layout like this picture with HTML that teacher provide Using *grid-template-areas*







https://cssgridgarden.com/