

02

OPEN ORIENTED

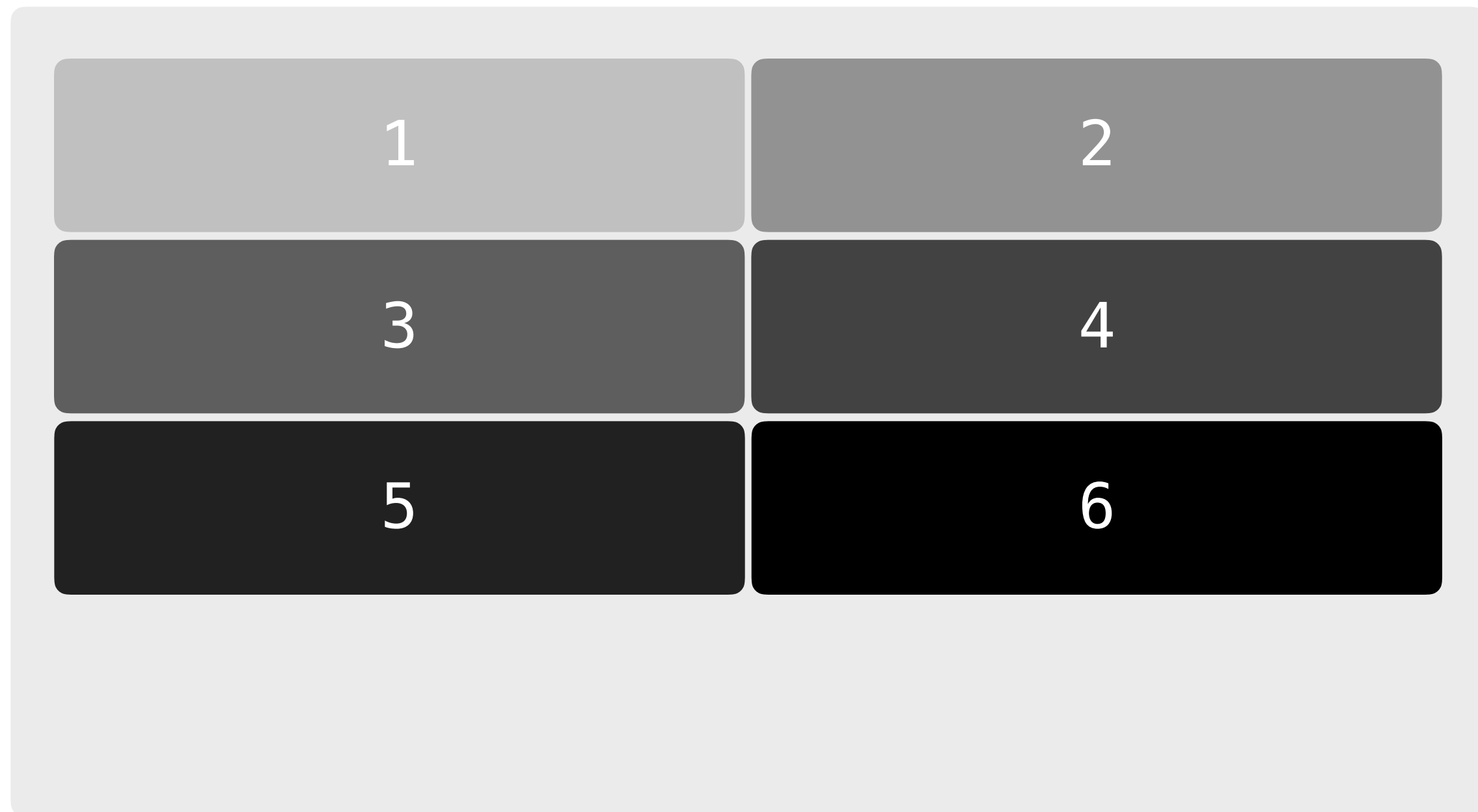
凹凸实验室

Grid 网格布局入门指南

NONO

网格布局概念&术语

Grid Layout 是 CSS3 引入的新的布局方式，将模块分割成不同的空间，定义他们的大小、位置以及层级。



网格容器

网格单元格

网格轨道

网格线

网格区域

<div>Current alignedUsage relativeDate relativeShow all</div>											
IE	Edge*	Firefox	Chrome	Safari	Opera	iOS Safari*	Opera Mini*	Android Browser*	Chrome for Android	UC Browser for Android	QQ Browser
			149								
			156								
		452	457			9.2		4.4			
	214	453	58			10.2		4.4.4			
211	215	54	59	10.1	46	10.3	all	56	59	11.4	11.2
	216	55	60	11	47	11					
		56	61	TP	48						
		57	62								

@supports(display: grid)

@supports not(display: grid)

网格结构 (grid)



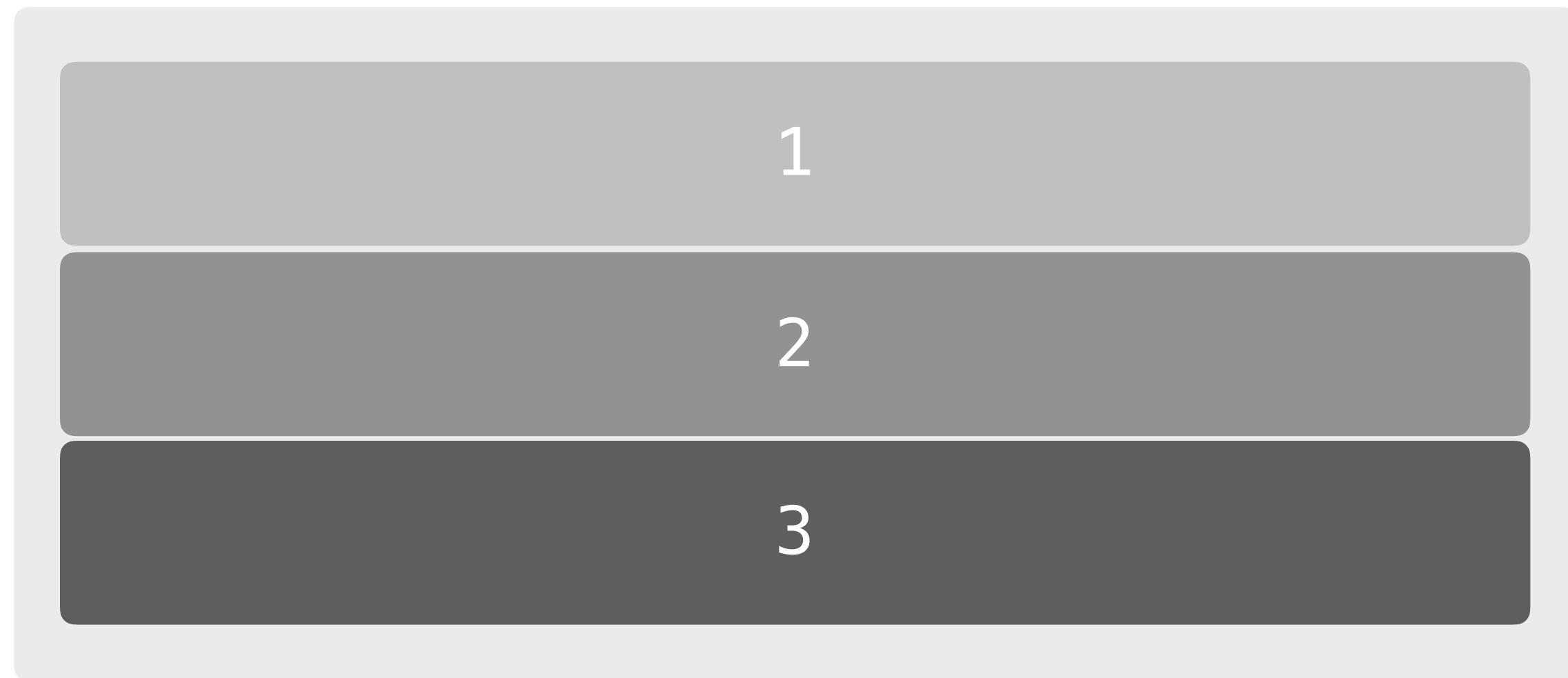
1

2

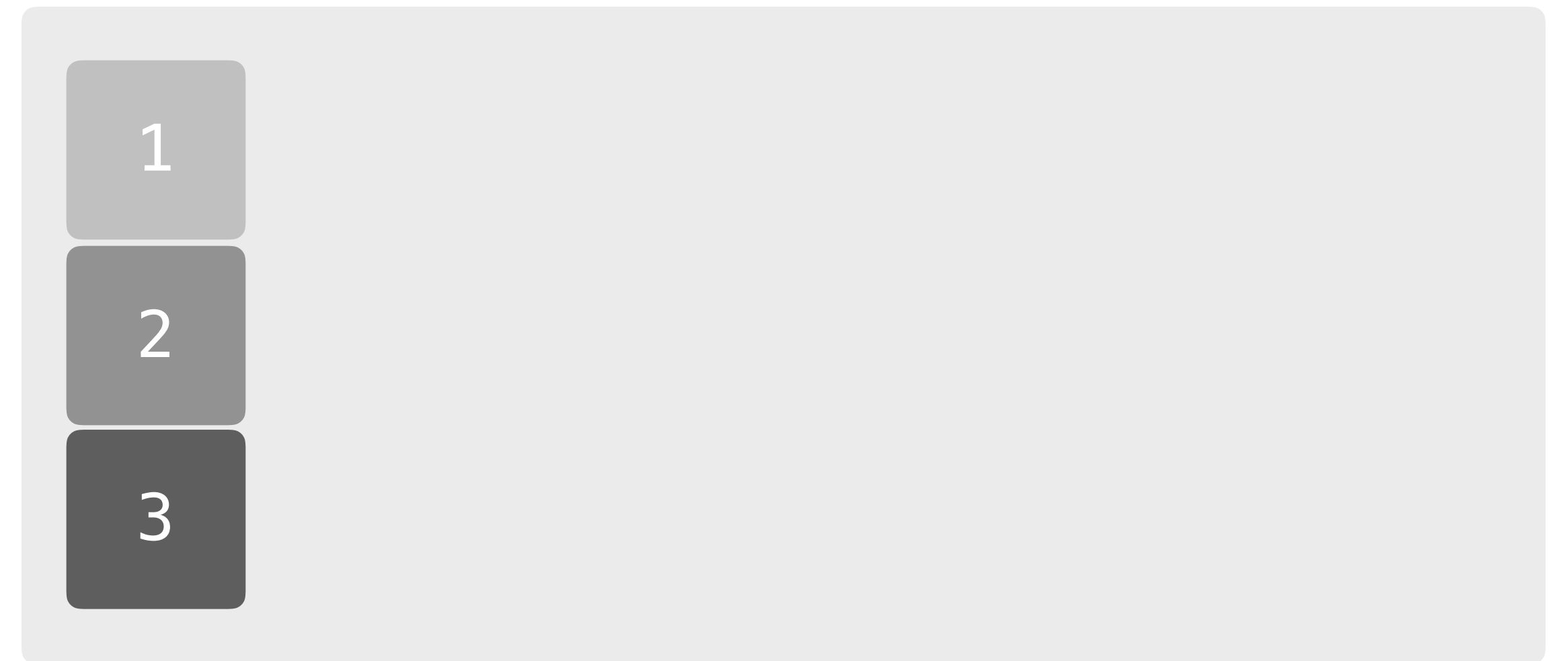
3

```
<div class="grid">  
  <div class="grid_item">1</div>  
  <div class="grid_item">2</div>  
  <div class="grid_item">3</div>  
</div>
```

网格呈现形态 (display)

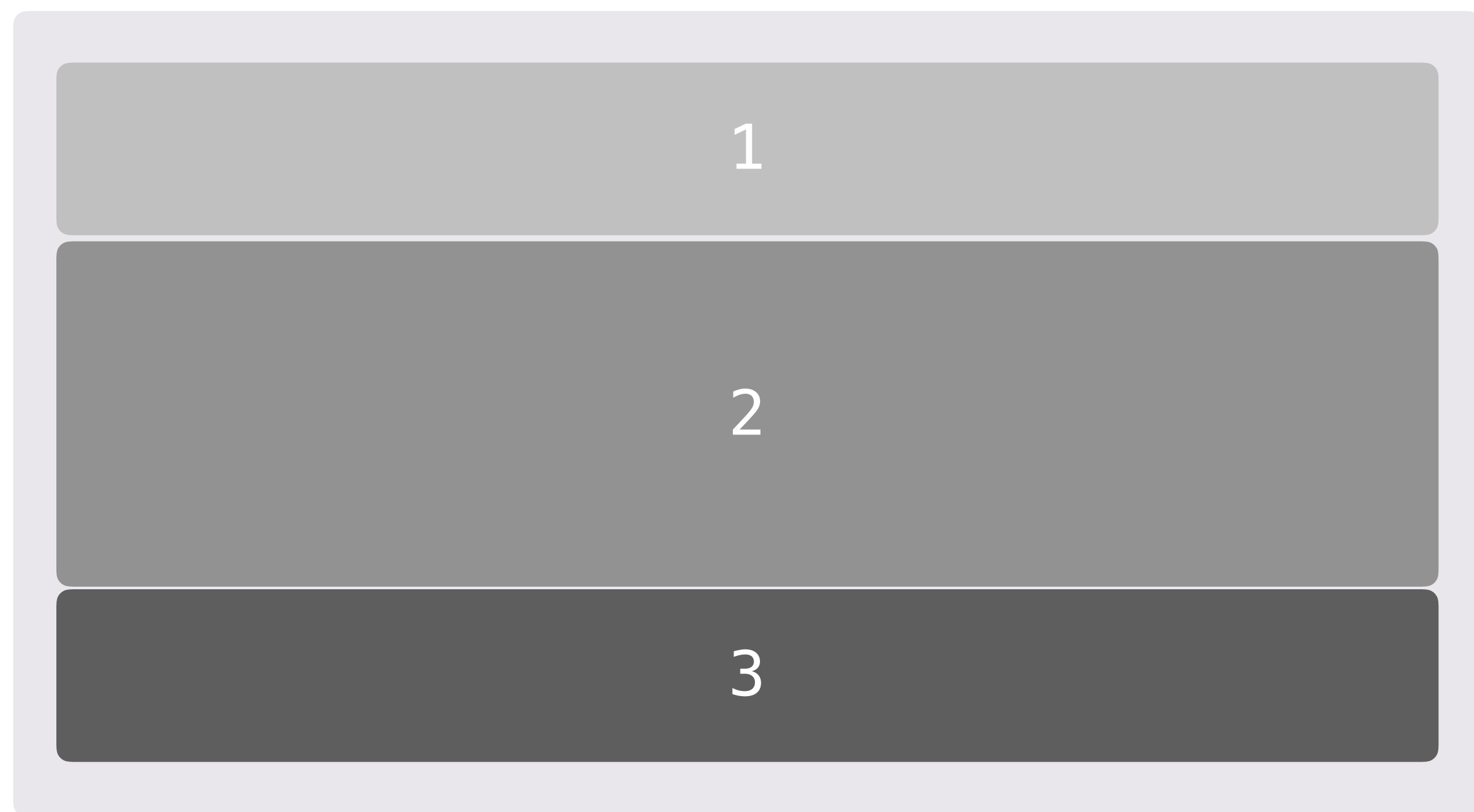


`display: grid;`



`display: inline-grid;`

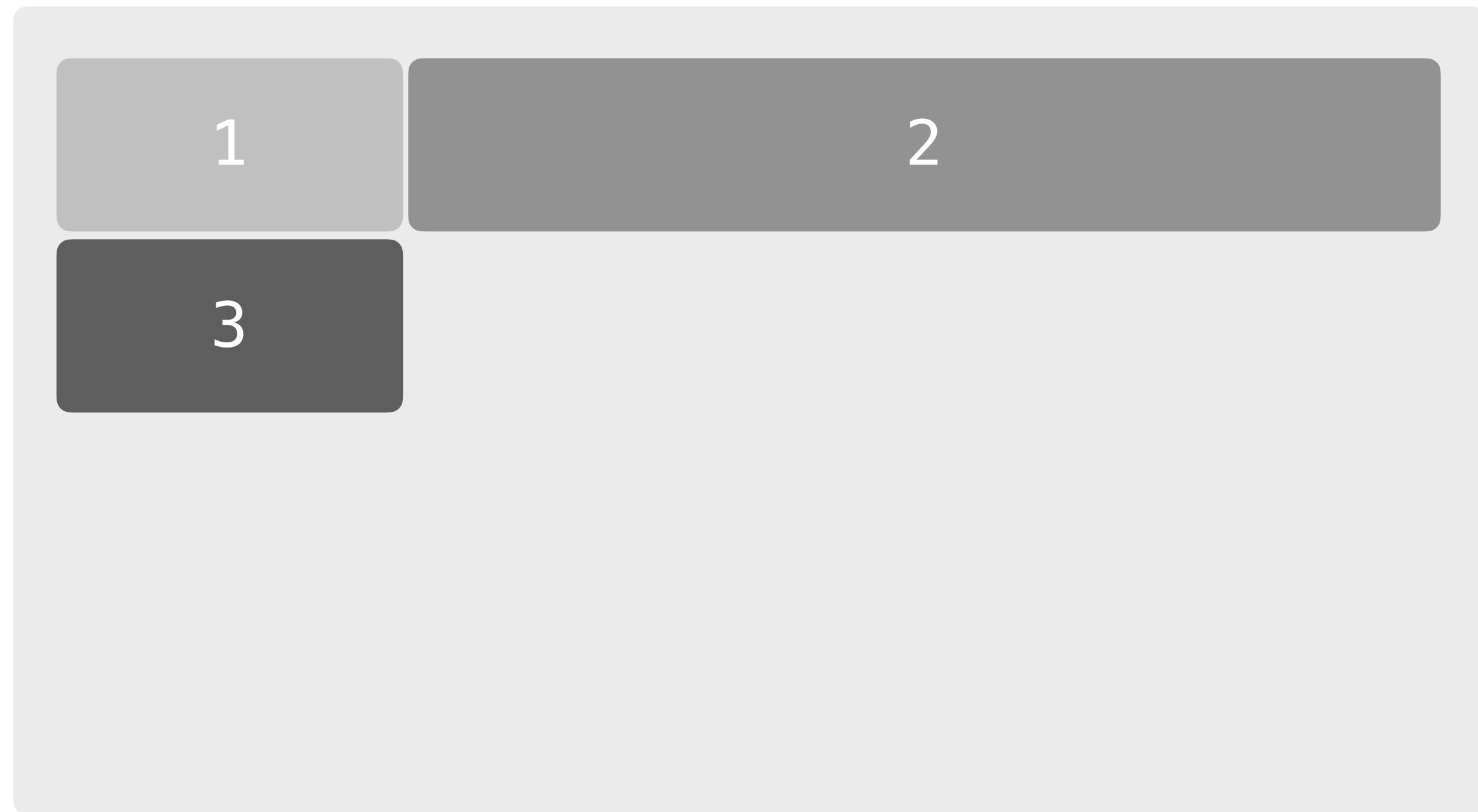
设置网格行 (rows)



`grid-template-rows: 100px 200px 100px;`

`100px 200px auto`

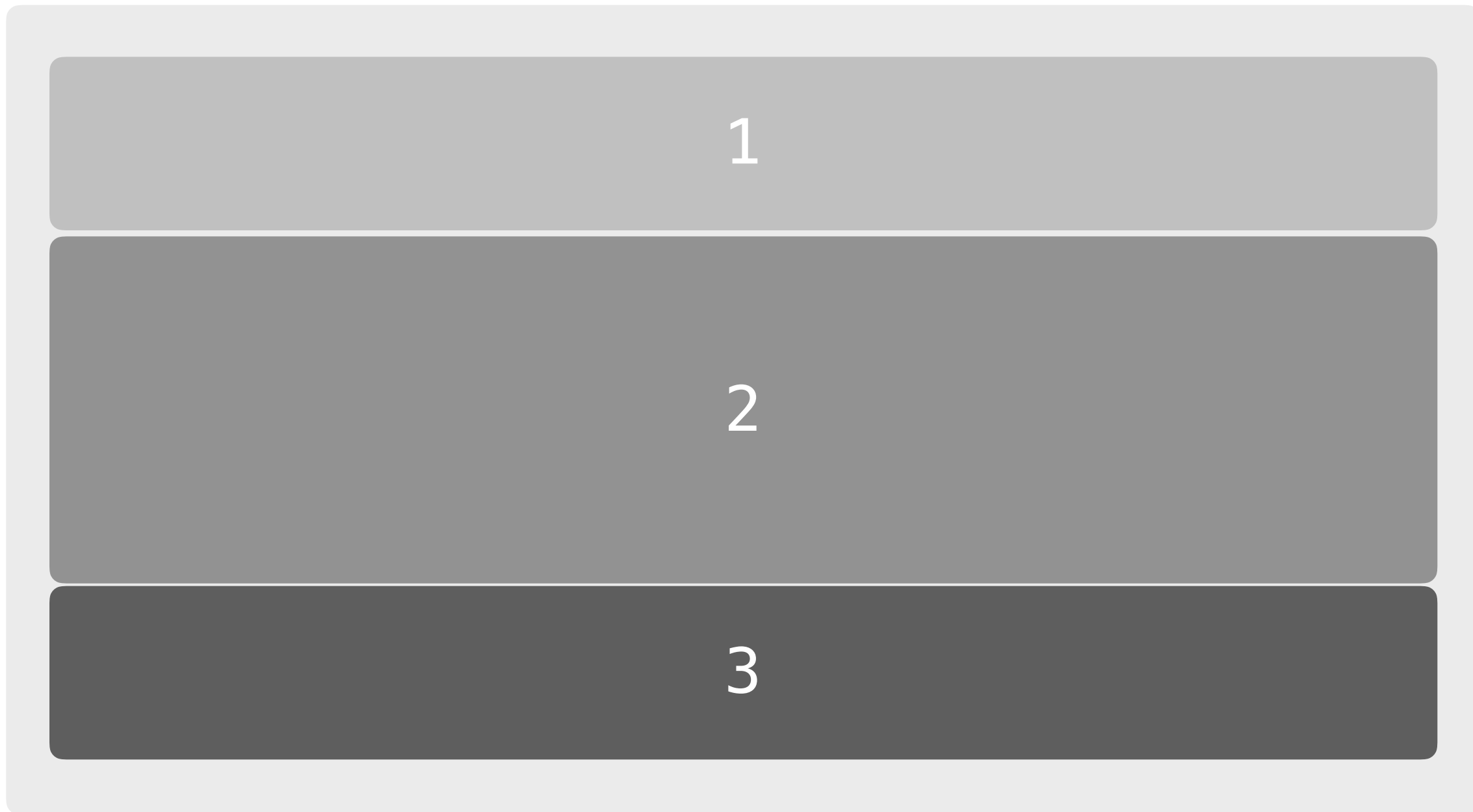
设置网格列 (columns)



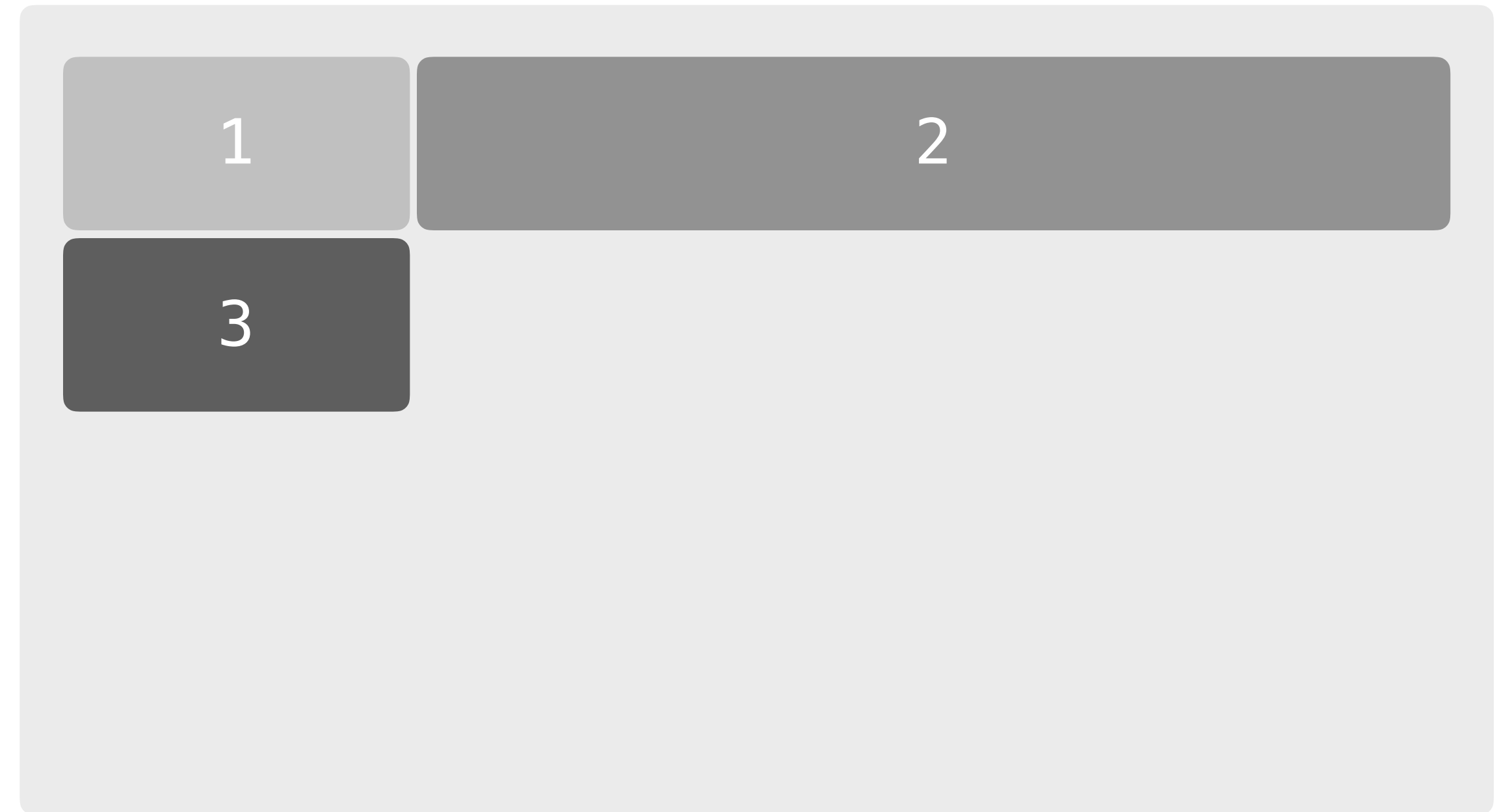
`grid-template-columns: 200px 600px;`

`200px auto`

按比例布局 (fr)



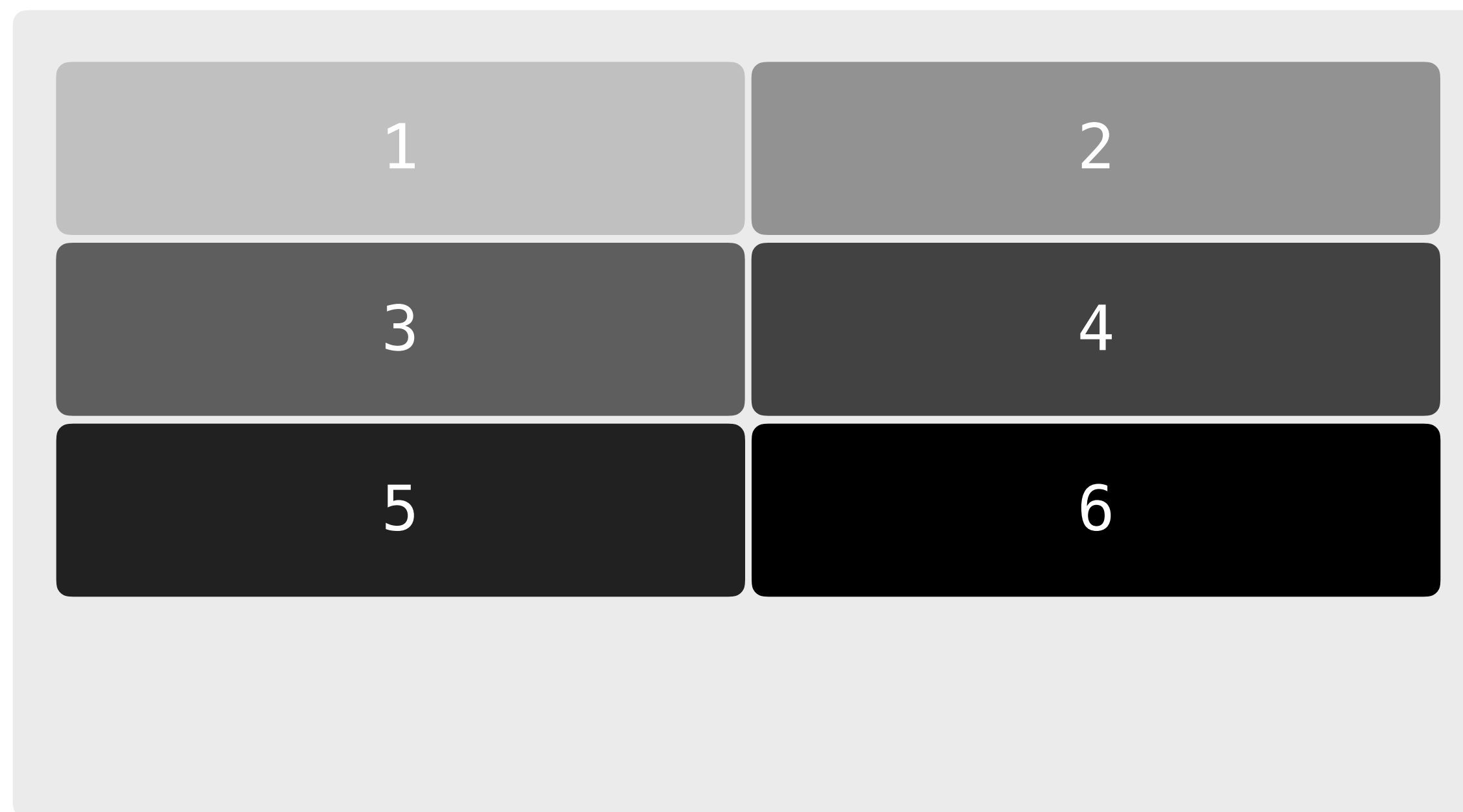
`grid-template-rows: 1fr 2fr 1fr;`



`grid-template-columns: 1fr 3fr;`

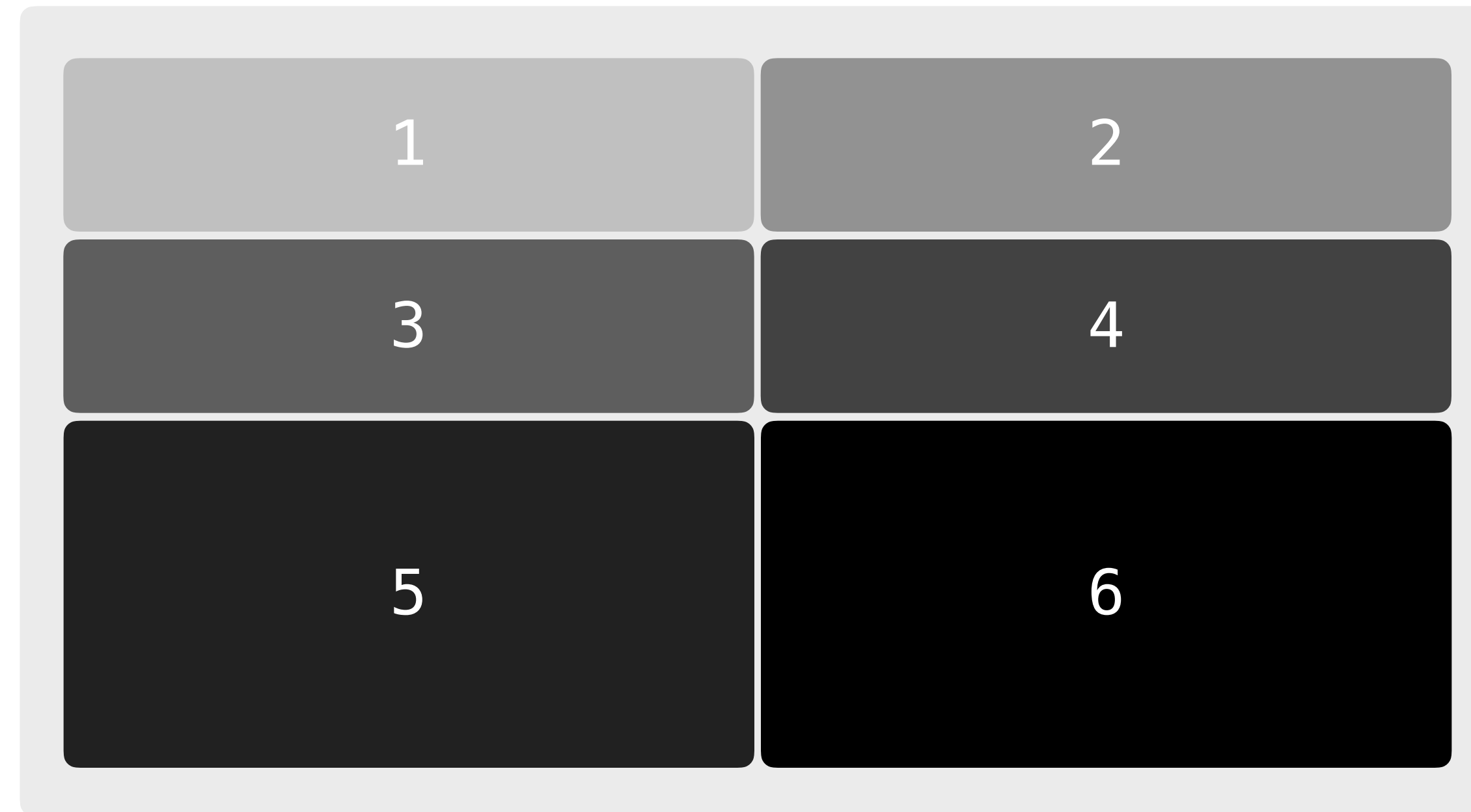
fr单位被用于在一系列长度值中分配剩余空间，如果多个已指定了多个部分，则剩下的空间根据各自的数字按比例分配。

网格行、列混合使用



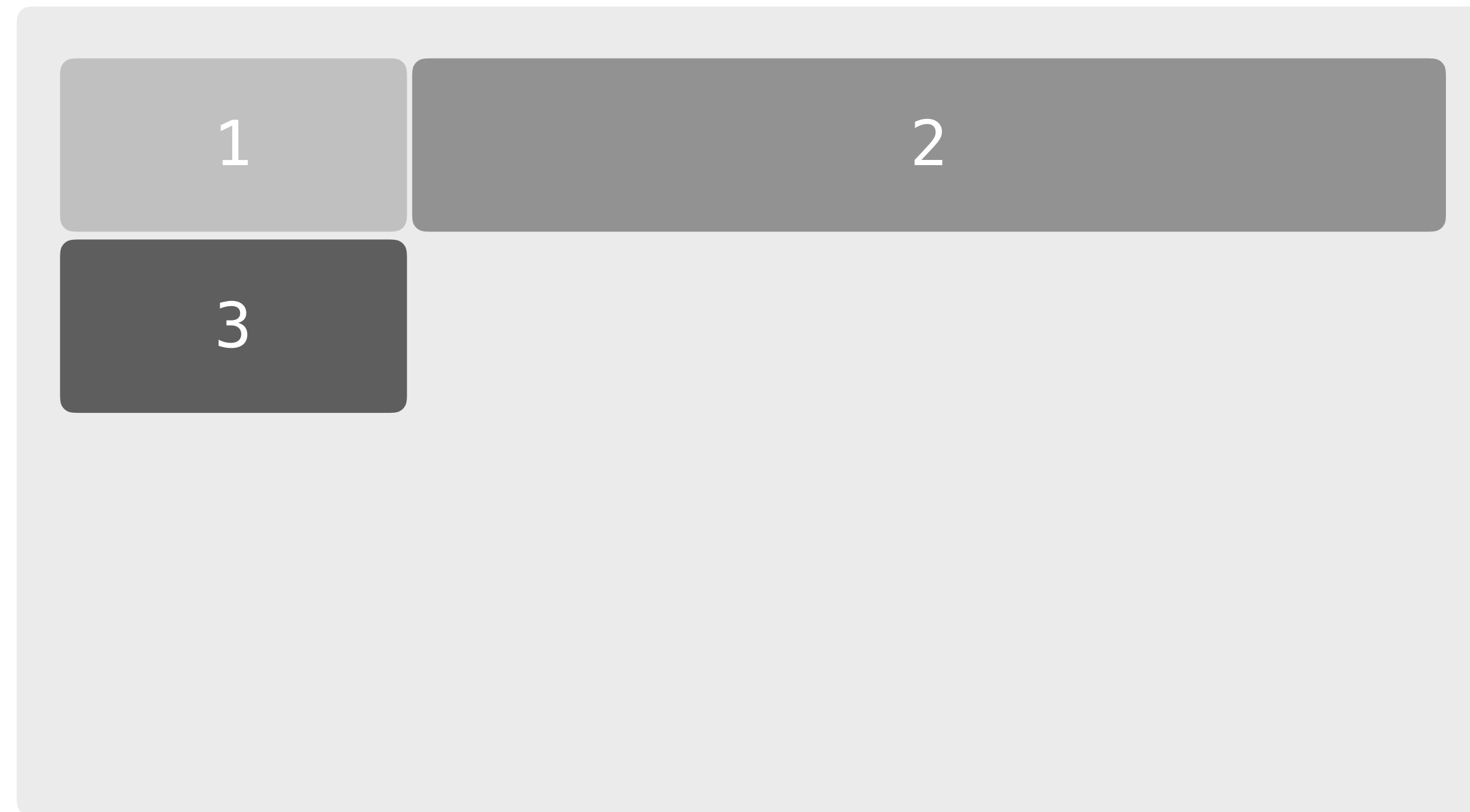
```
grid-template-rows: 100px 100px 100px;  
grid-template-columns: 1fr 1fr;
```

重复网格行、列 (repeat)



```
grid-template-rows: repeat(3, 100px); repeat(2, 100px) 200px;  
grid-template-columns: repeat(2, 1fr);
```

设置网格轨道最大或最小值 (minmax)



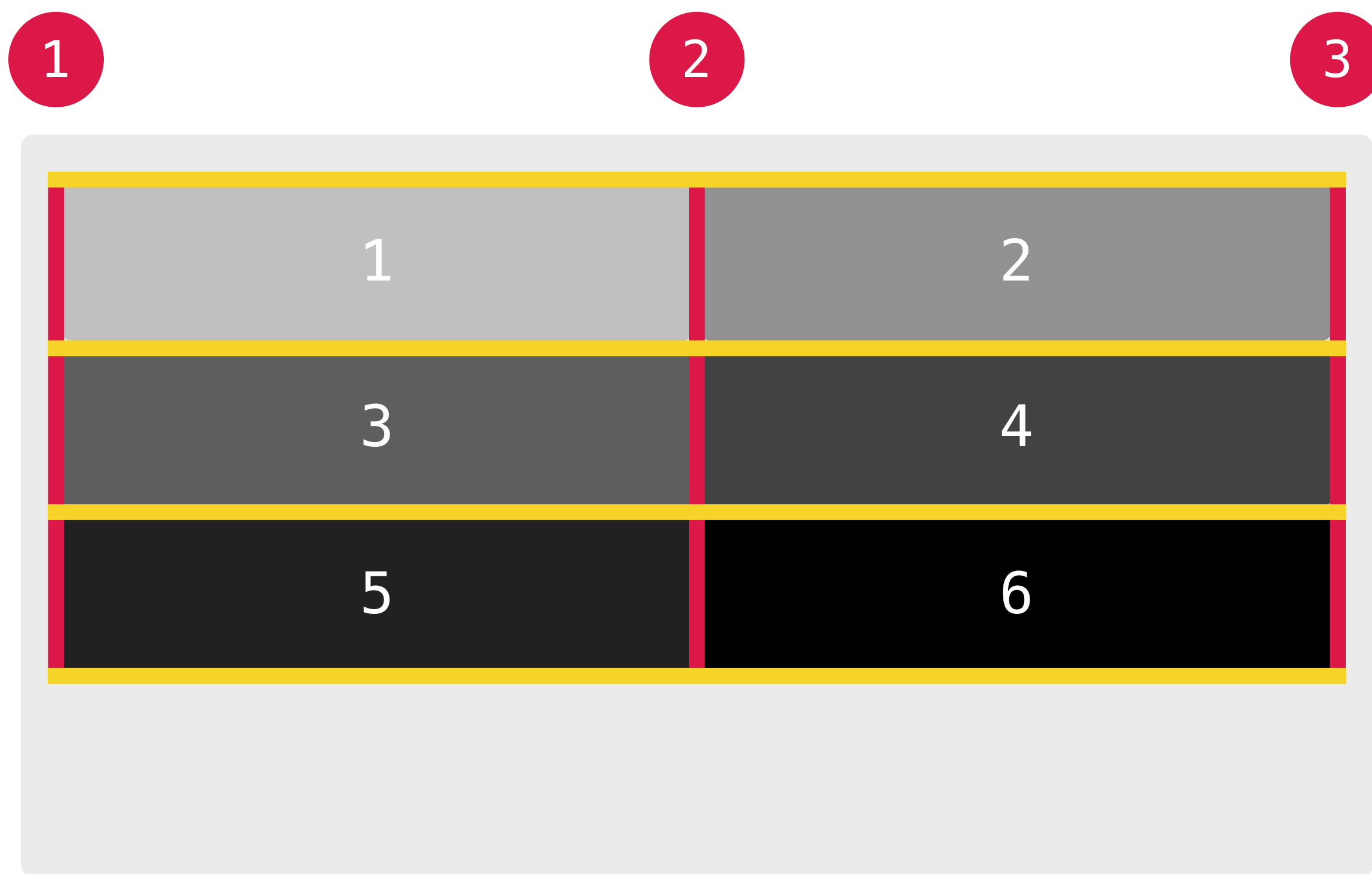
```
grid-template-rows: minmax(100px, 300px) auto;
```

网格行、列间距 (gap)



```
grid-row-gap: 10px;  
grid-column-gap: 10px;
```

```
grid-gap: 10px;
```



1

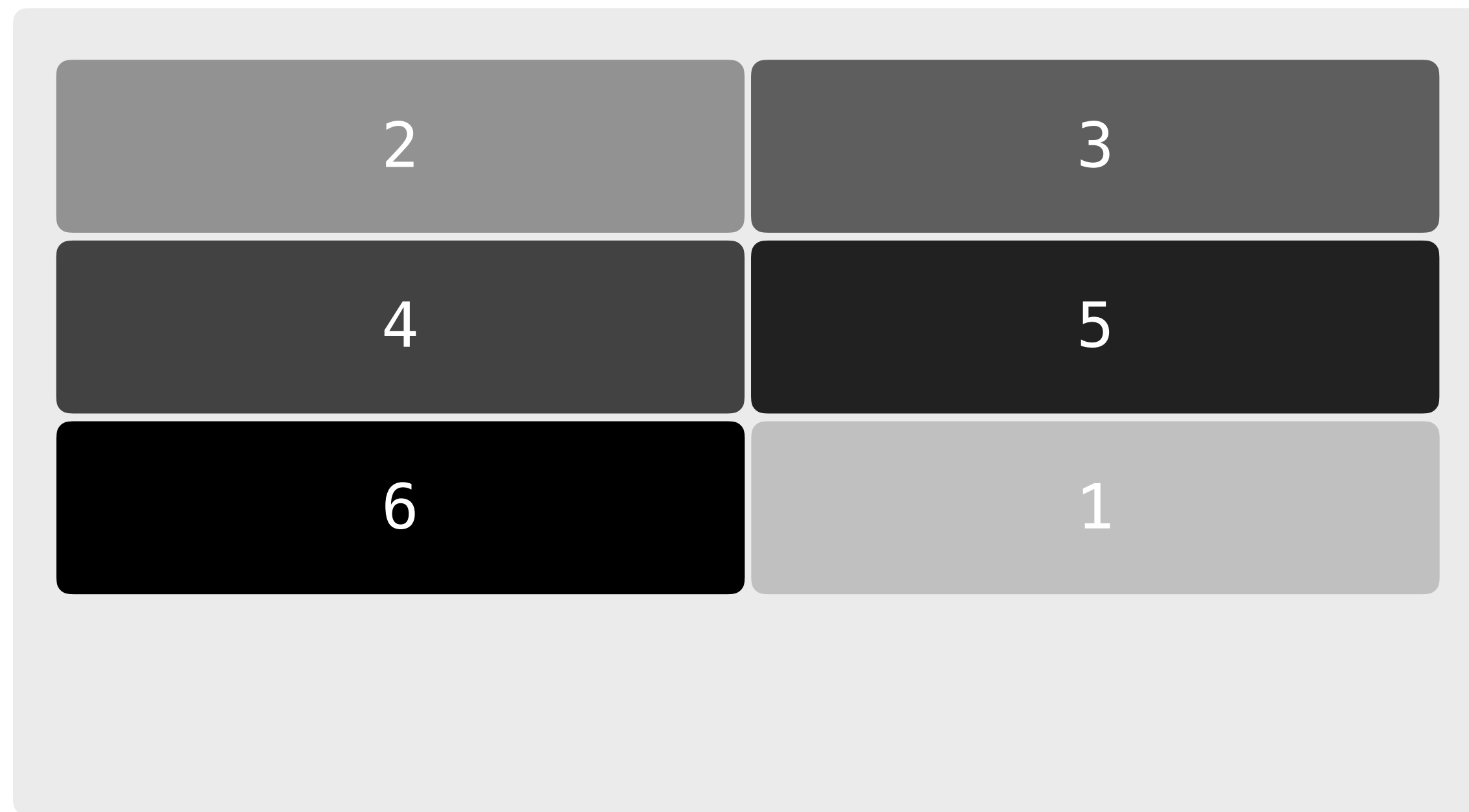
2

3

4

```
.grid_item:nth-child(1) {  
  grid-row-start: 1;  
  grid-row-end: 2;  
  grid-column-start: 1;  
  grid-column-end: 2;  
}  
  
.grid_item:nth-child(6) {  
  grid-row-start: 3;  
  grid-row-end: 4;  
  grid-column-start: 2;  
  grid-column-end: 3;  
}
```

网格位置改变



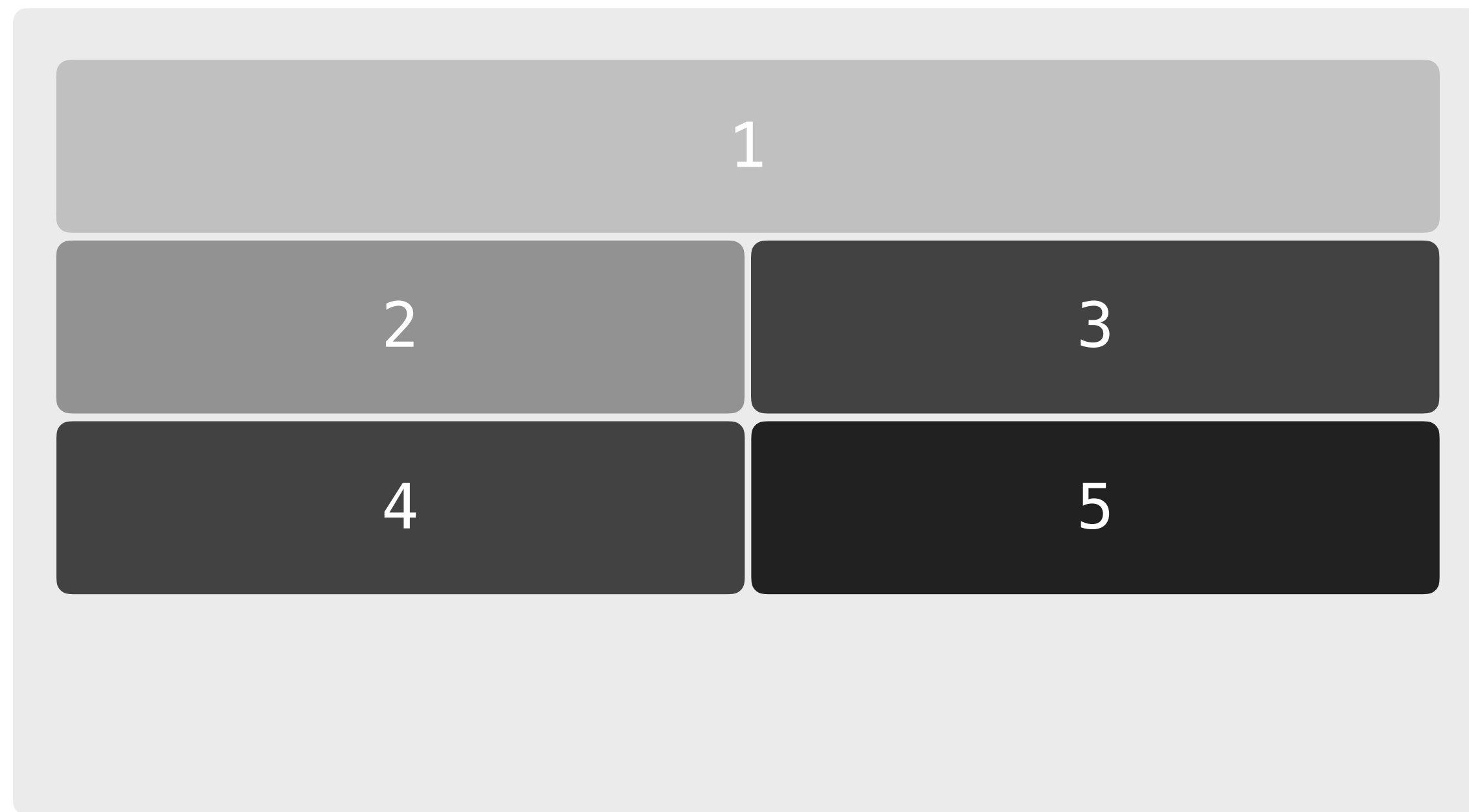
```
.grid_item:nth-child(1) {  
  grid-row-start: 3;  
  grid-row-end: 4;  
  grid-column-start: 2;  
  grid-column-end: 3;  
}
```

grid-row: 3 / 4;
grid-column: 2 / 3;



grid-area: 3 / 2 / 4 / 3;

网格列合并 (span)



```
.grid_item:nth-child(1) {  
  grid-column-start: 1;  
  grid-column-end: 3;  
}
```

`grid-column: 1 / 3;`



`grid-column: span 2;`

网格行合并 (span)

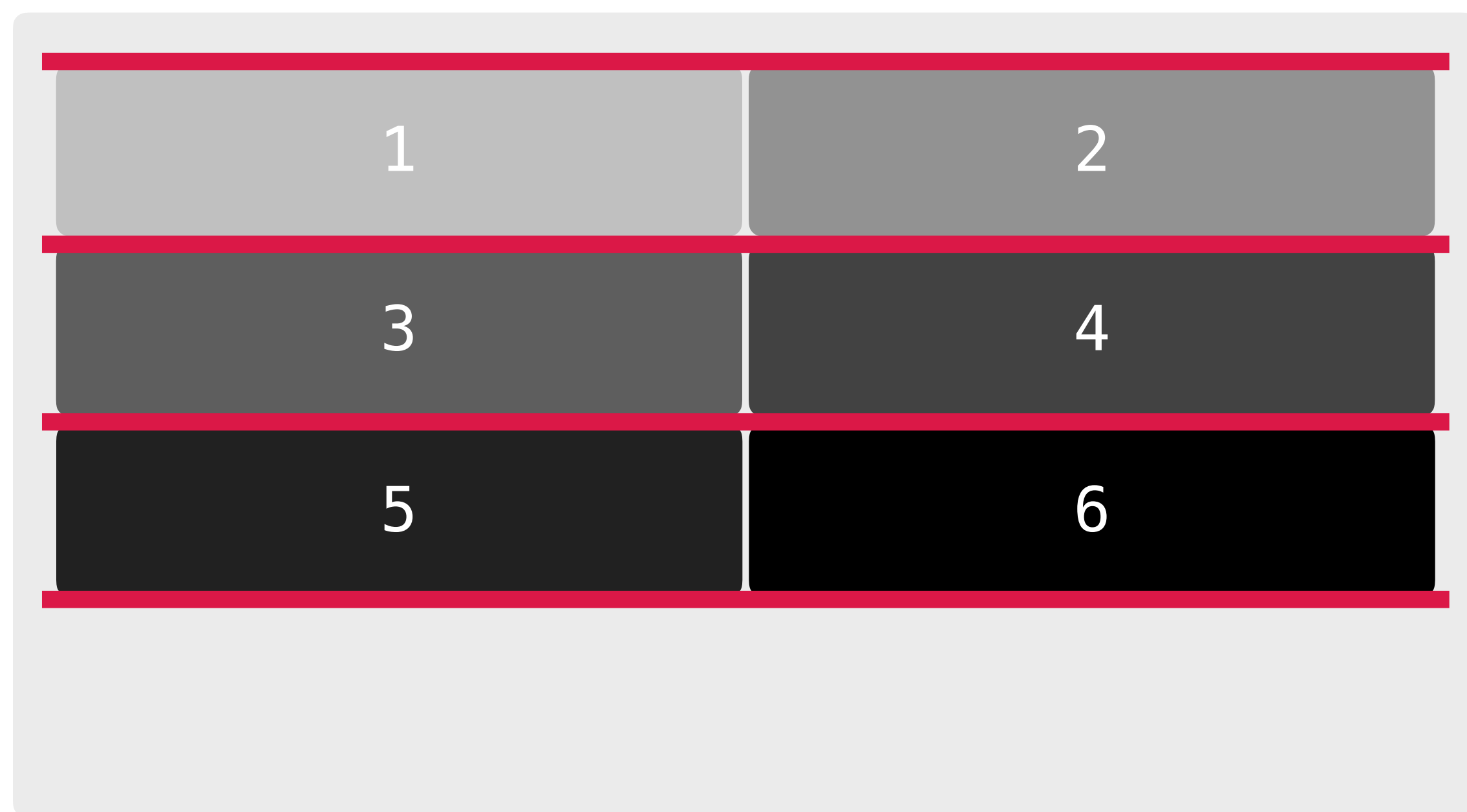


```
.grid_item:nth-child(1) {  
  grid-row-start: 1;  
  grid-row-end: 4;  
}
```

grid-row: 1 / 4;



grid-row: span 3;



- 1 row1-s
- 2 row2-s
- 3 row3-s
- 4 row3-e

```
grid-template-rows: 100px 100px 100px;
```

```
[row1-s] 100px [row2-s] 100px [row3-s] 100px [row3-e]
```

网格项目对齐方式（与 flex 相似）

`justify-items / justify-self`: 指定网格项目沿着行轴对齐方式

`align-items / align-self`: 指定网格项目沿着列轴对齐方式

auto

normal

start

end

center

stretch

baseline

first baseline

last baseline

网格轨道对齐方式（与 flex 相似）

`align-content`: 指定网格轨道沿着行轴对齐方式

`justify-content`: 指定网格轨道沿着列轴对齐方式

`normal`

`start`

`end`

`center`

`stretch`

`baseline`

`first baseline`

`last baseline`

`space-around`

`space-between`

`space-evenly`

T H A N K S
FOR YOUR WATCHING