CSS Grid Terminology

Grid **Container**

Element containing a grid, defined by setting `display: grid;`

```
<div class="site">

  <header class="masthead">
  </header>

  <h1 class="page-title">
  </h1>

  <main class="main-content">
  </main>

  <aside class="sidebar">
  </aside>

  <footer class="footer">
  </footer>

</div><!-- .site -->
```

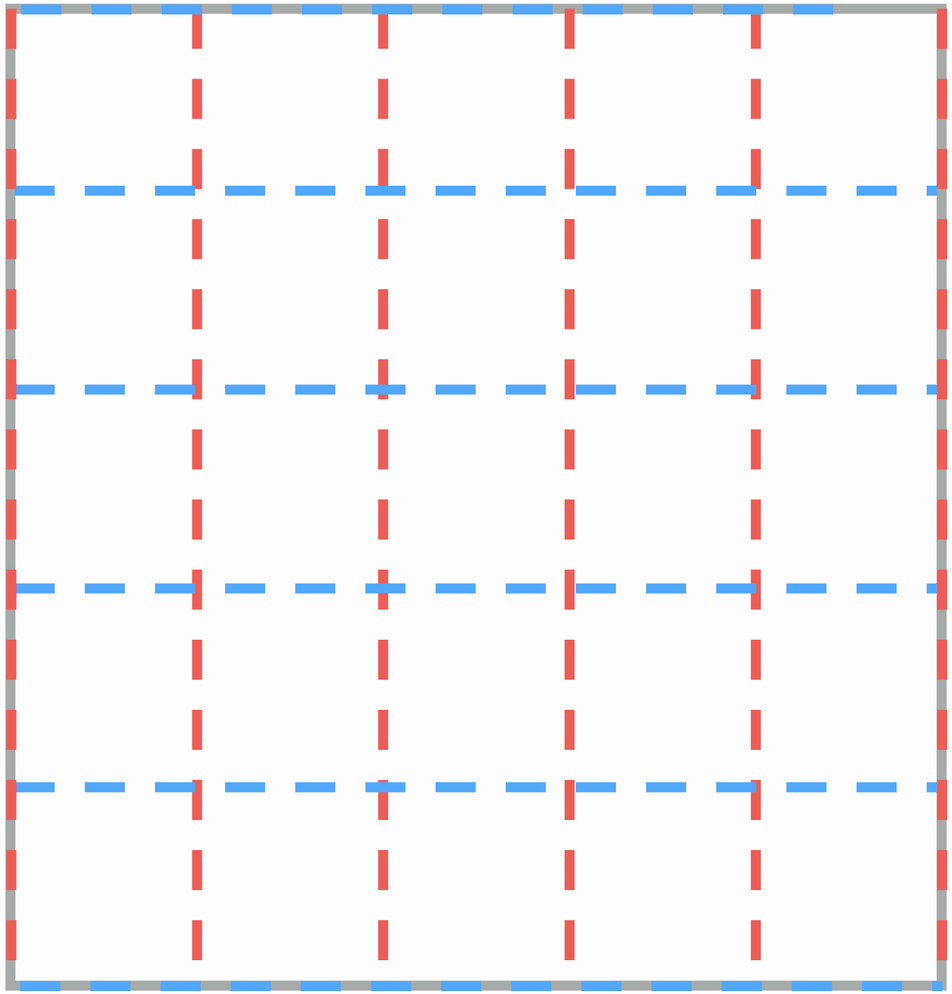
Grid **Item**

Element that is a direct descendant of the grid container.

```
<div class="site">

  <header class="masthead">
  </header>

  <h1 class="page-title">
  </h1>

  <main class="main-content">
  </main>

  <aside class="sidebar">
  </aside>

  <footer class="footer">
  </footer>

</div><!-- .site -->
```

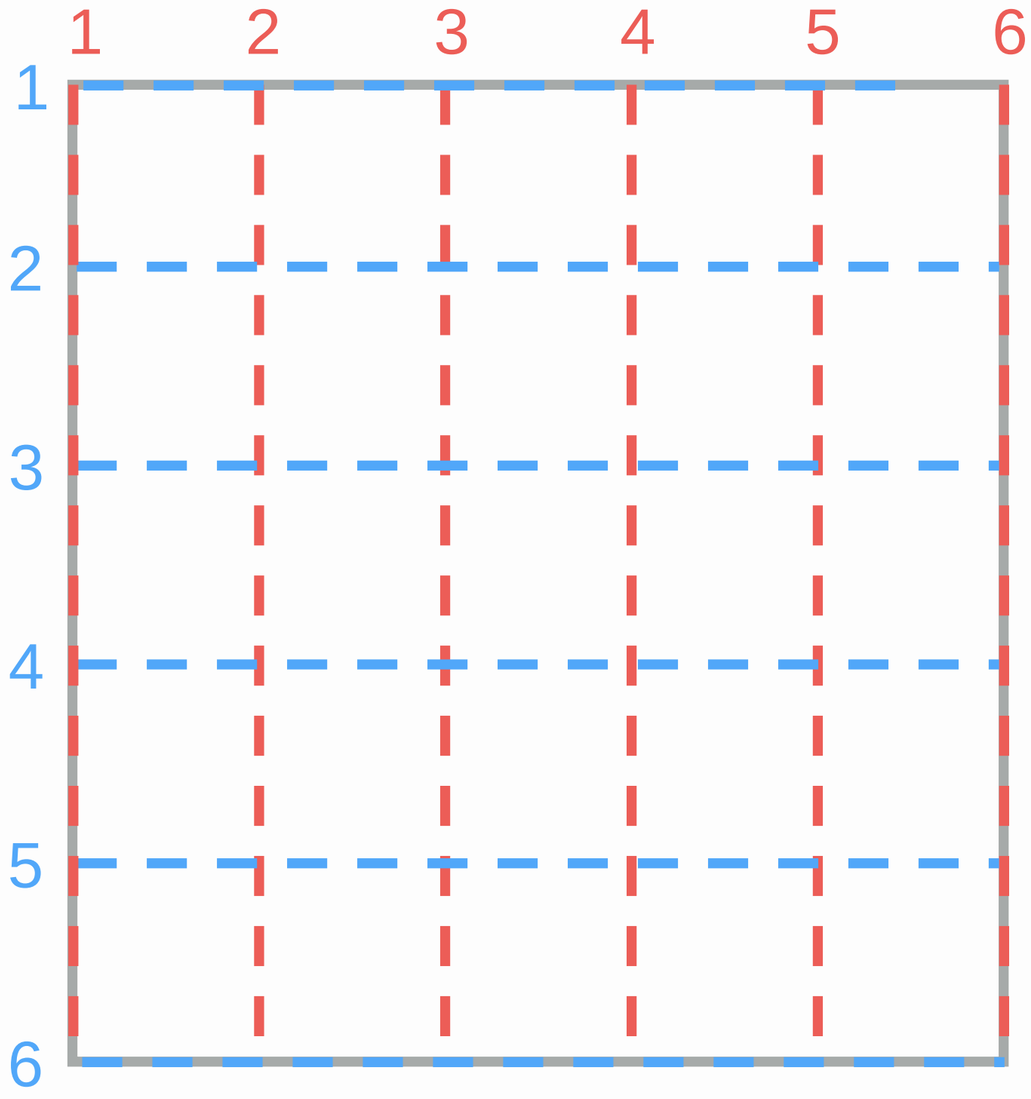
Grid **Line**

Horizontal (row) or vertical (column) line separating the grid into sections.



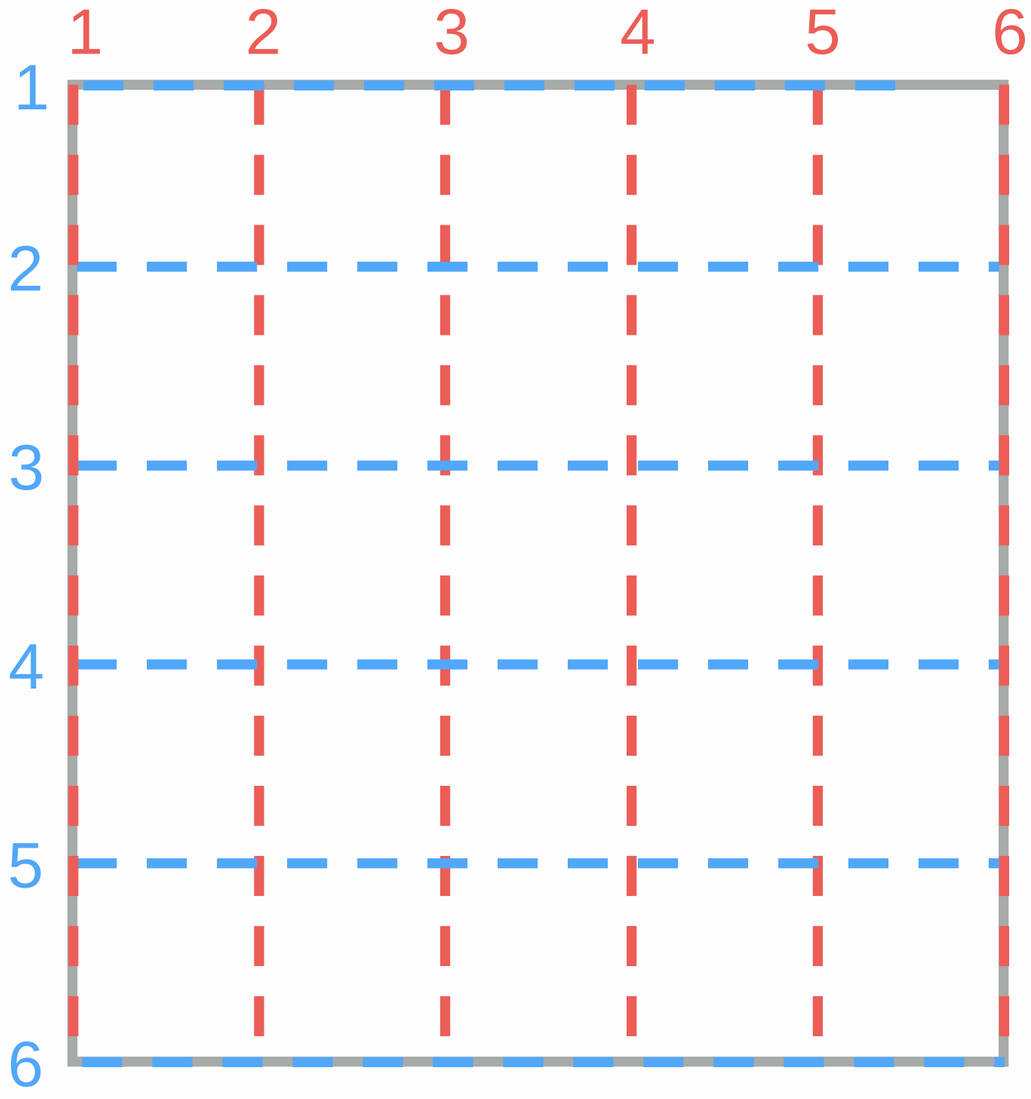
Grid **Line**

Grid lines are referenced by number, starting and ending with the outer borders of the grid.



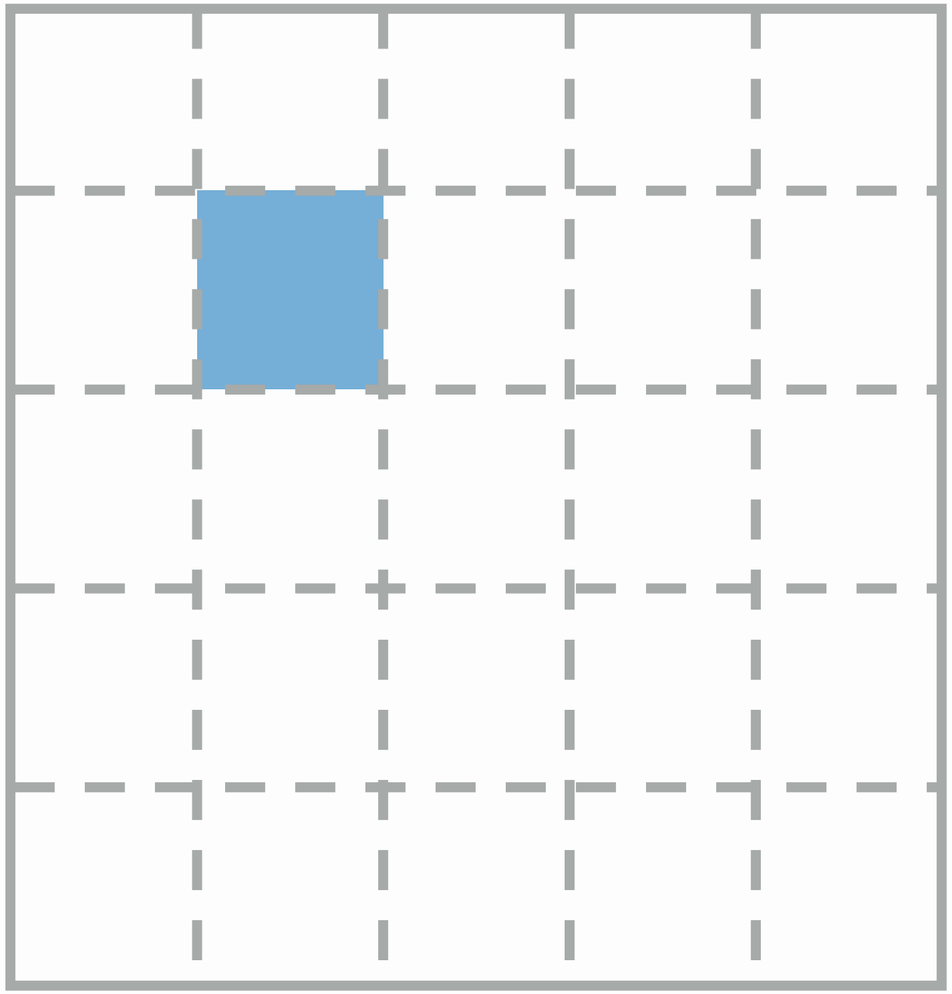
Grid **Line**

Grid lines can also be named for easier reference.



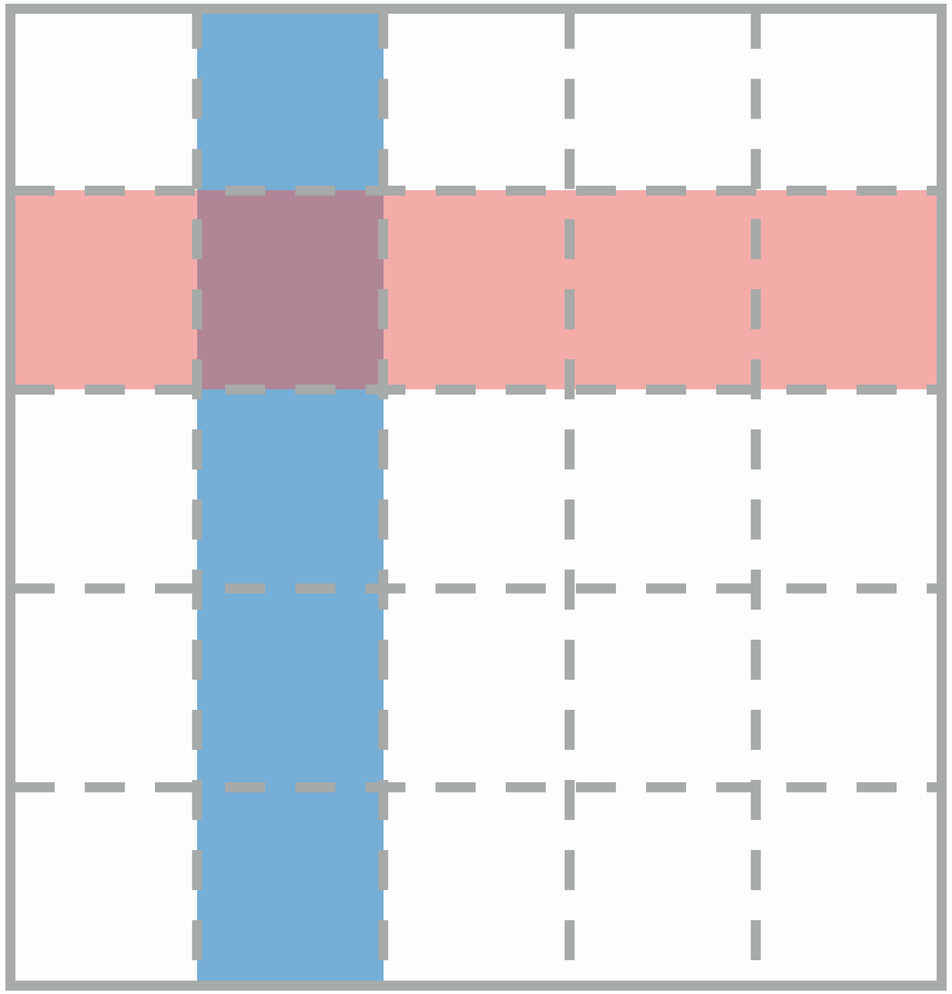
Grid **Cell**

The intersection between a grid row and a grid column. Effectively the same as a table cell.



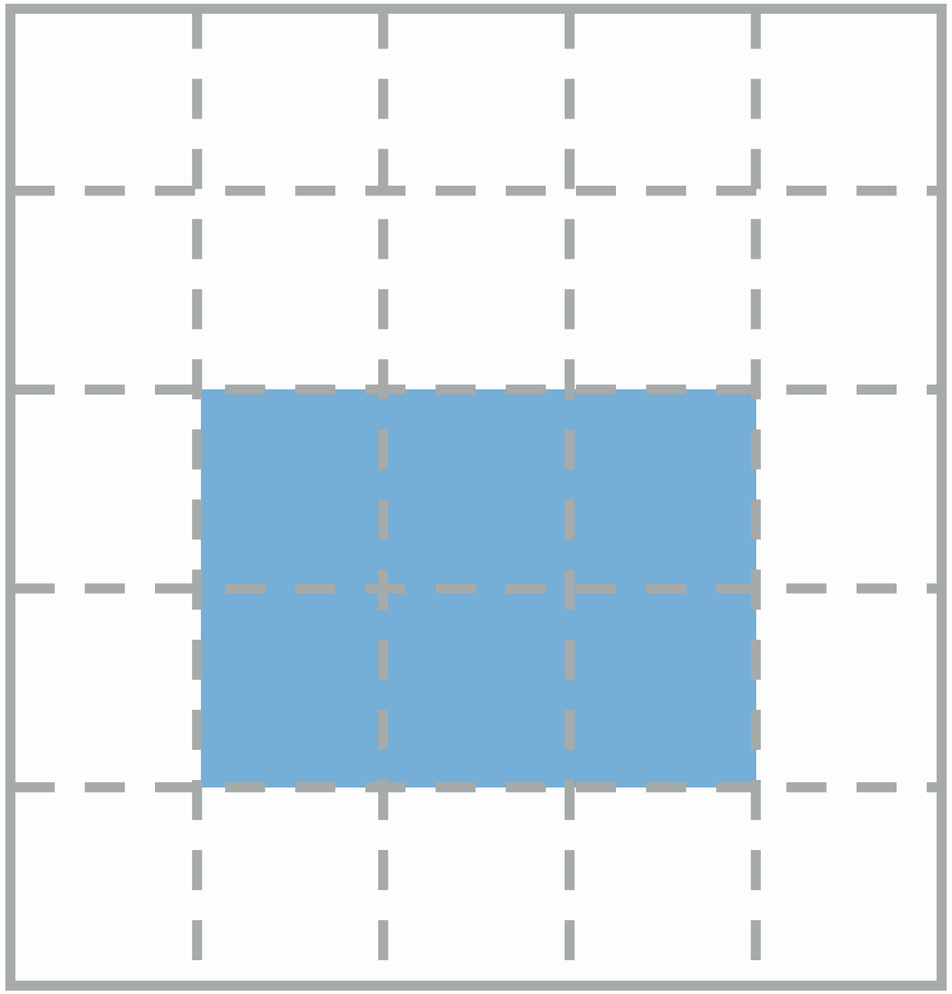
Grid **Track**

The space between two or more adjacent grid **lines**.
Row tracks are horizontal,
Column tracks vertical.



Grid **Area**

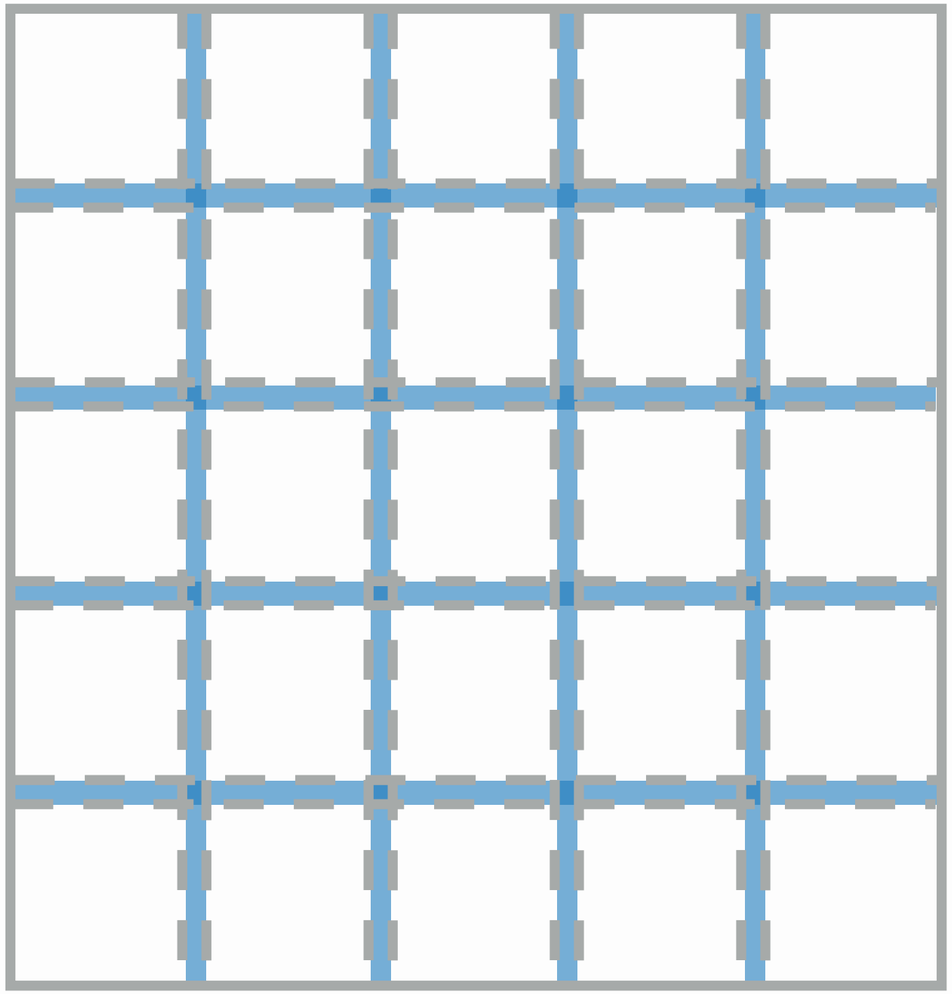
Rectangular area between four specified grid lines. Grid areas can cover one or more cells.



Grid **Gap**

Empty space between grid tracks (shown in blue).

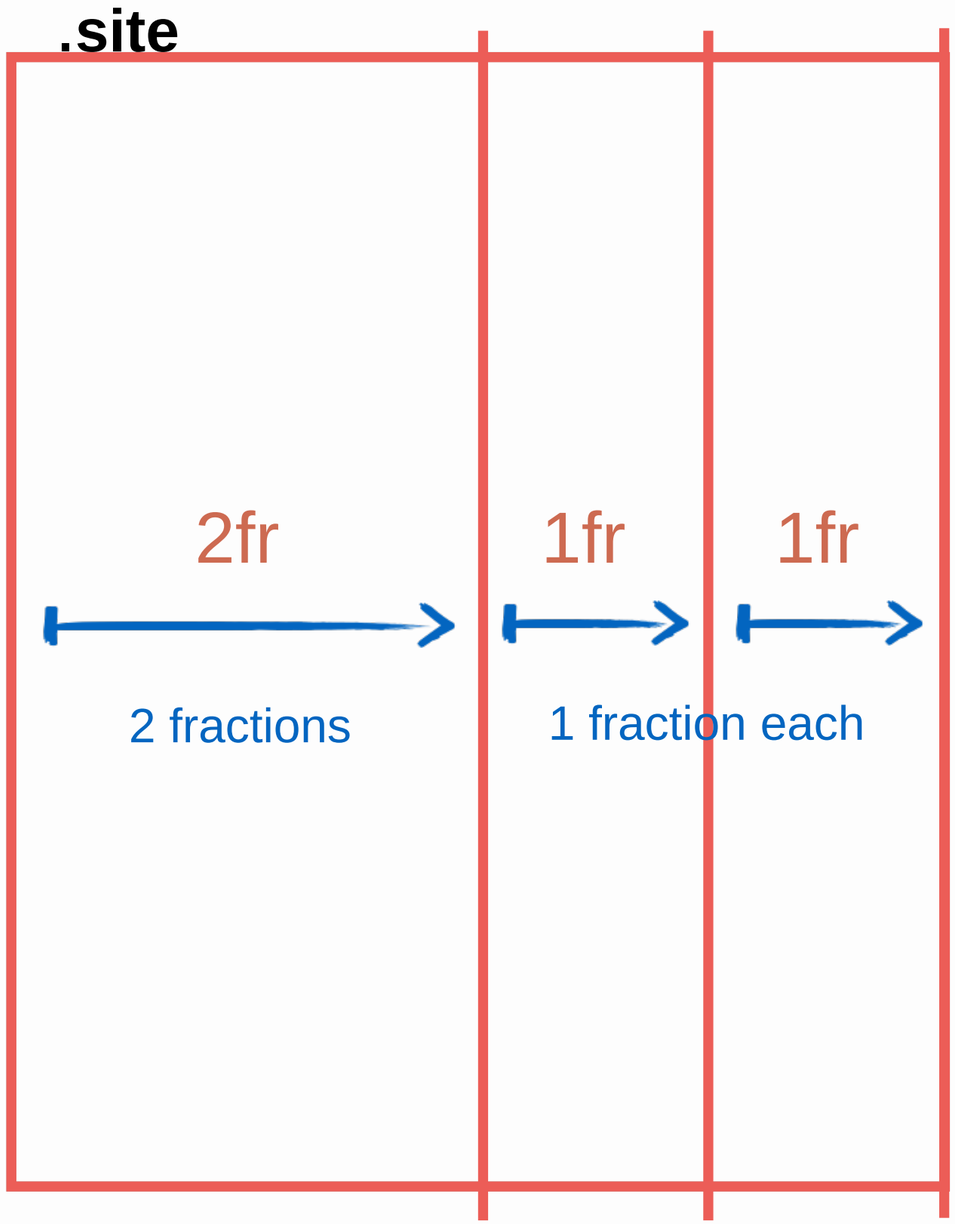
Commonly called *gutters*.



CSS Grid Lines and Units

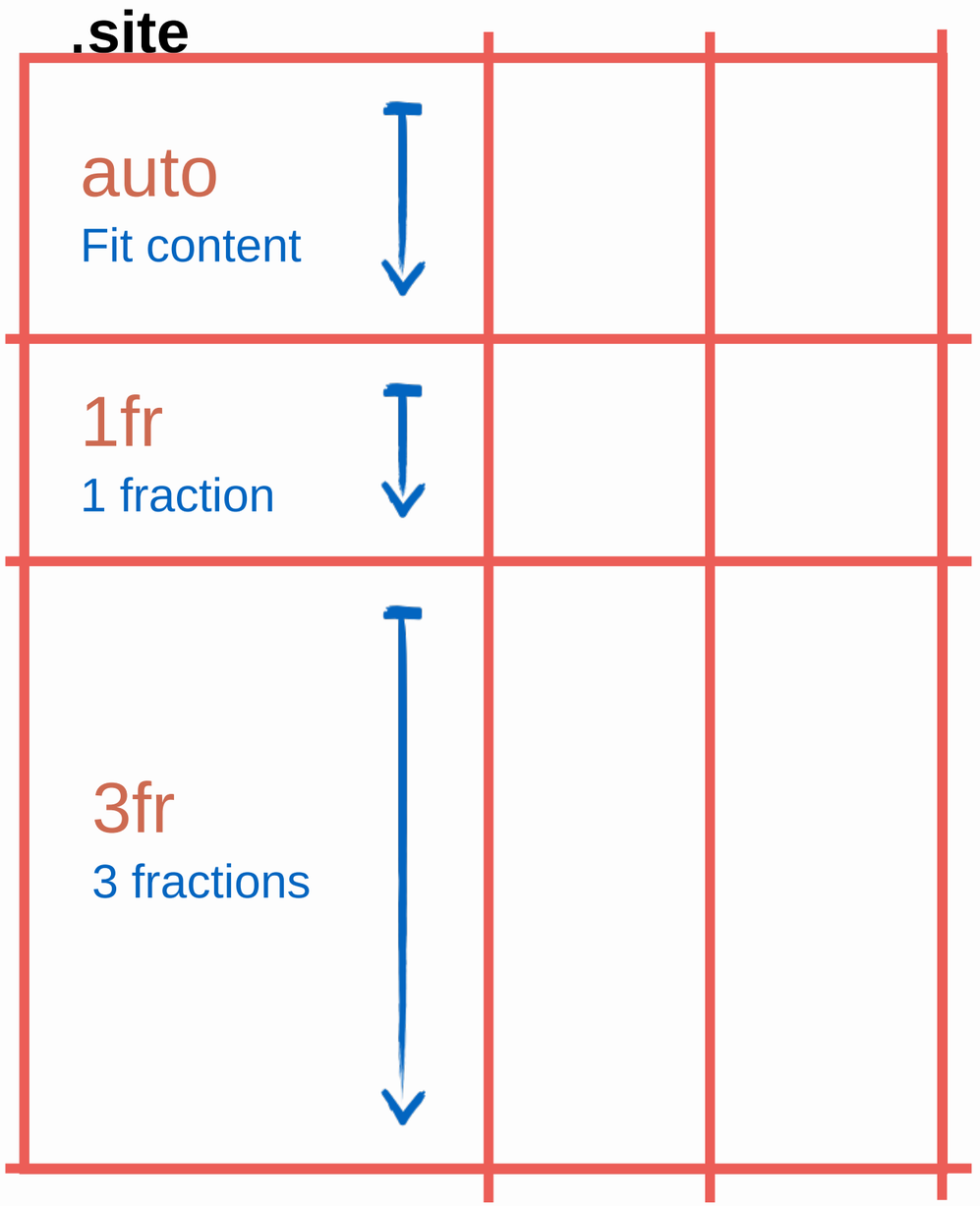
```
grid-template-columns:
2fr 1fr 1fr;
```

Draws grid lines. Takes list of length values (em, px, %, fr, etc.) denoting the distance between each line.



```
grid-template-rows:
auto 1fr 3fr;
```

Draws grid lines. Takes list of length values (em, px, %, fr, etc.) denoting the distance between each line.



Fraction (fr) unit

The fr unit represents a fraction of the available space in the grid container.

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

minmax() function

The minmax() function defines a size range greater than or equal to min and less than or equal to max.

```
grid-template-rows: 1fr minmax(10em, 20em) 1fr;
```

repeat() notation

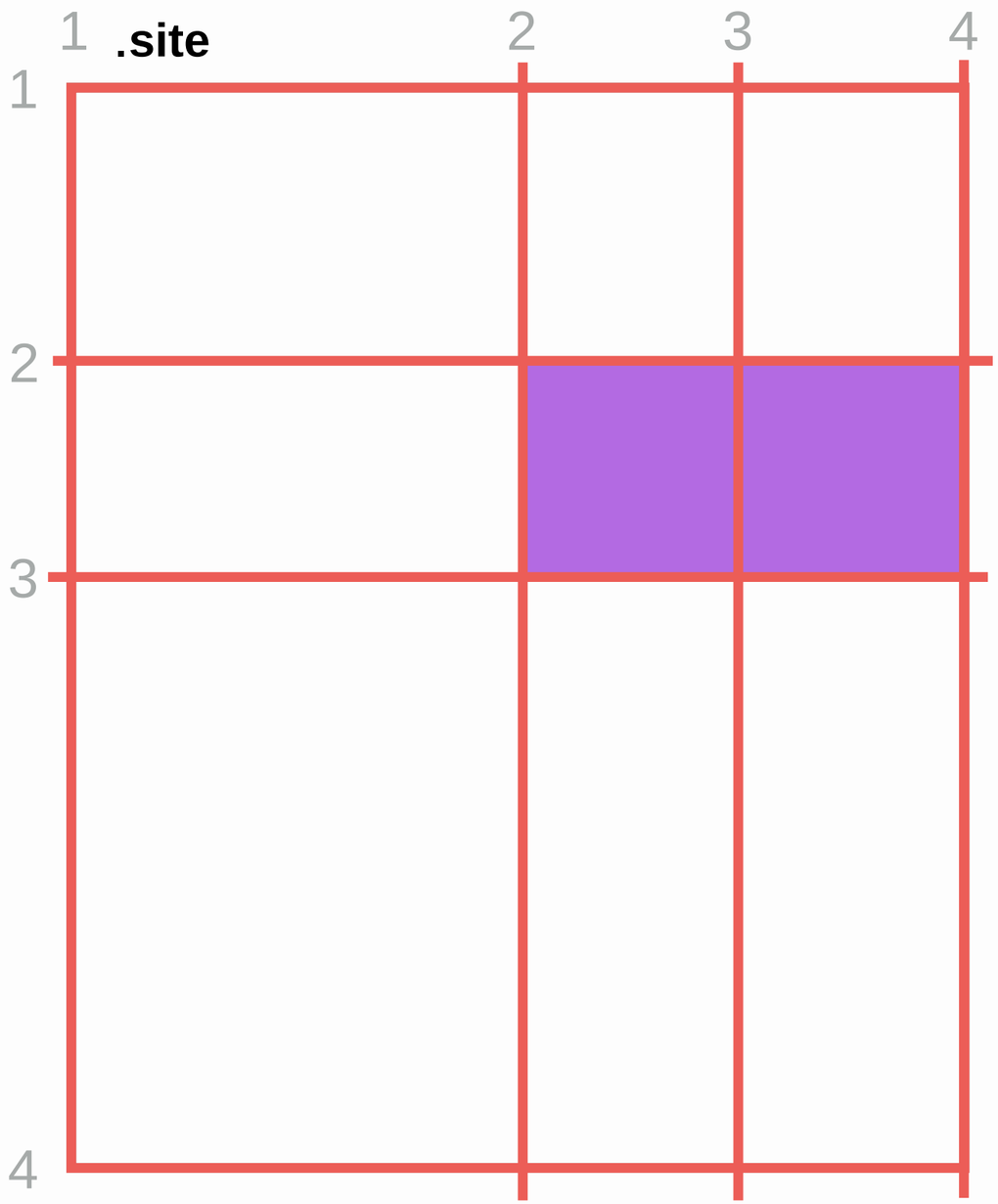
The repeat() notation repeats the provided pattern a specified number of times.

```
grid-template-rows: repeat(2, 1fr) 2fr;
```

Placing Items on the Grid

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

Applied to grid items. Places the item by declaring start and end lines.



span keyword

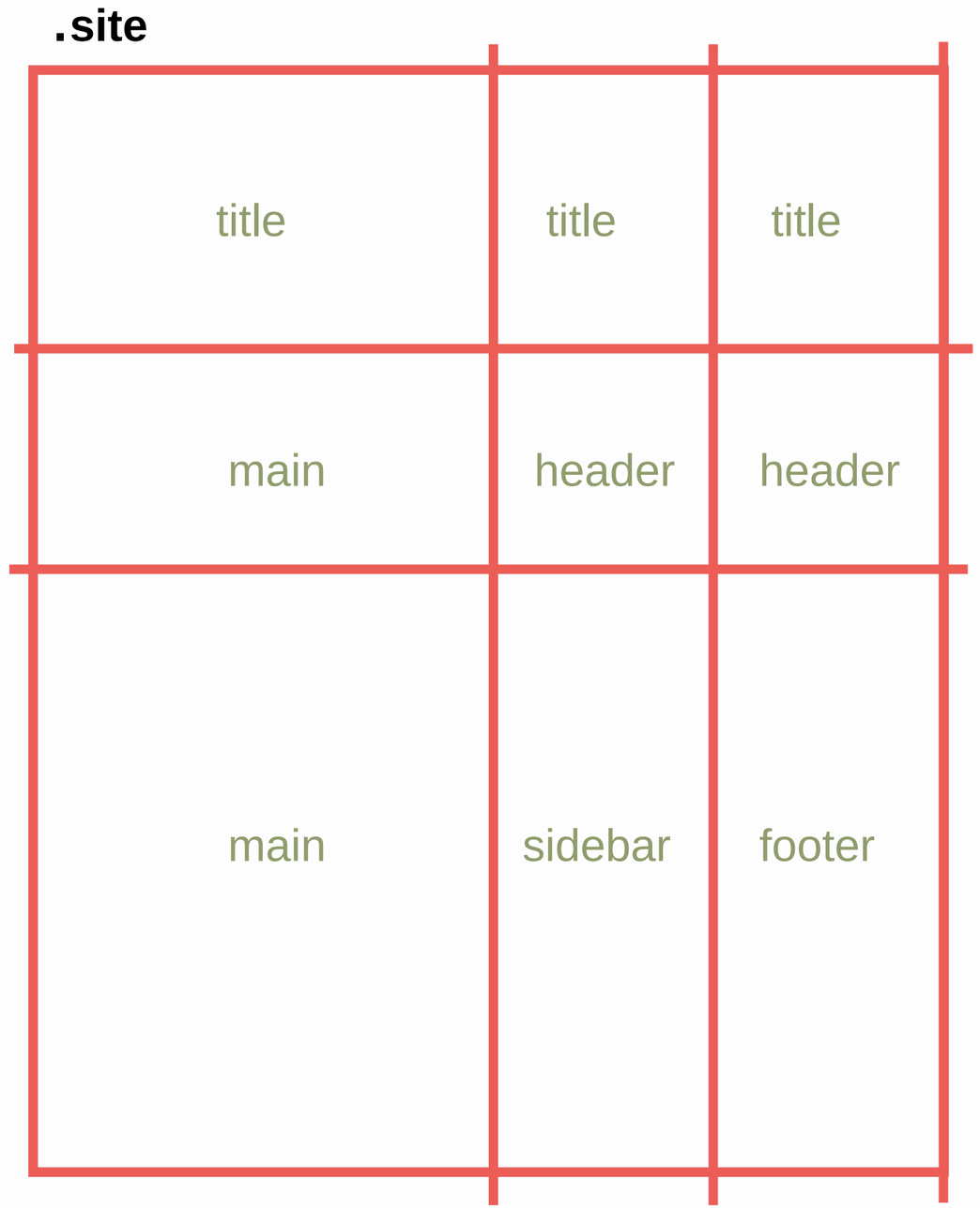
The span keyword is used to define how many grid tracks an element should span.

```
// Start at line 2, span 3 columns:
grid-columns: 2/3 span;
```

Grid Areas

`grid-template-areas`

Applied to grid container. Uses a text-based grid map to apply grid area names to individual cells.



Implicit lines

If grid item placement requires additional columns or rows to be created, the browser adds implicit lines to keep the grid structurally sound.