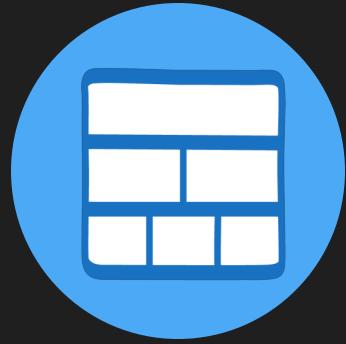


# CSS GRID



CSS GRID

# INTRODUCTION TO CSS GRID

WHAT IS CSS GRID

CSS GRID TERMINOLOGY

CSS GRID DESIGN GUIDANCE

CSS GRID VS. FLEXBOX

# WHAT IS CSS GRID?

CSS GRID IS A TWO-DIMENSIONAL LAYOUT MODEL MAKING IT SIMPLE TO ARRANGE ITEMS IN ROWS AND COLUMNS

CSS GRID

The slide features four cards arranged in a 2x2 grid, each with a red border:

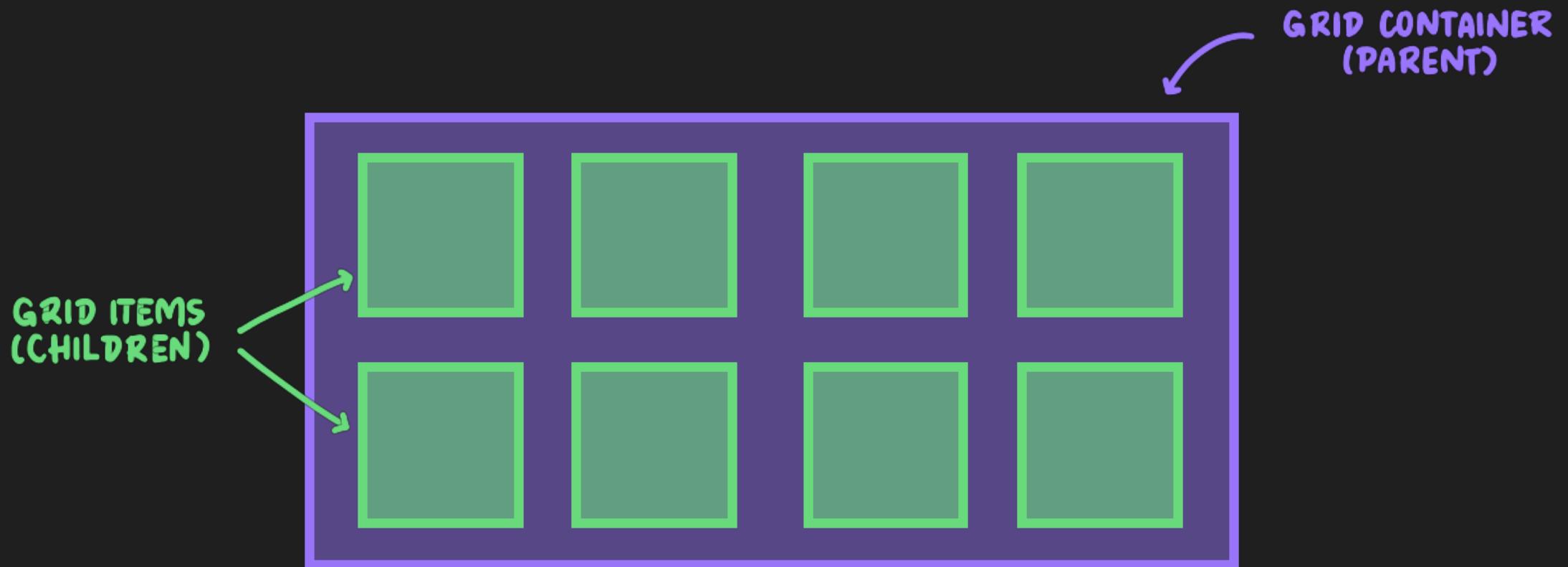
- Visualize your schedule**: Shows a horizontal timeline from January to July with various colored bars representing tasks. A callout box says "Kramerica Puffy Shirt 16 hours a week".
  - Track your projects**: Shows a horizontal timeline from January to July with colored bars representing tasks.
- Forecast your income**: Shows a bar chart for monthly income projections from June to December. A dashed blue bar represents the goal for December.

Month	Income (\$)
Jun	4,500
Jul	\$3,900
Aug	\$2,700
Sep	\$4,000
Oct	\$1,500
Nov	\$5,100
Dec	\$1,900

  - Monitor your progress**: Shows a bar chart for monthly income projections from June to December. A dashed blue bar represents the goal for December.

# CSS GRID TERMINOLOGY

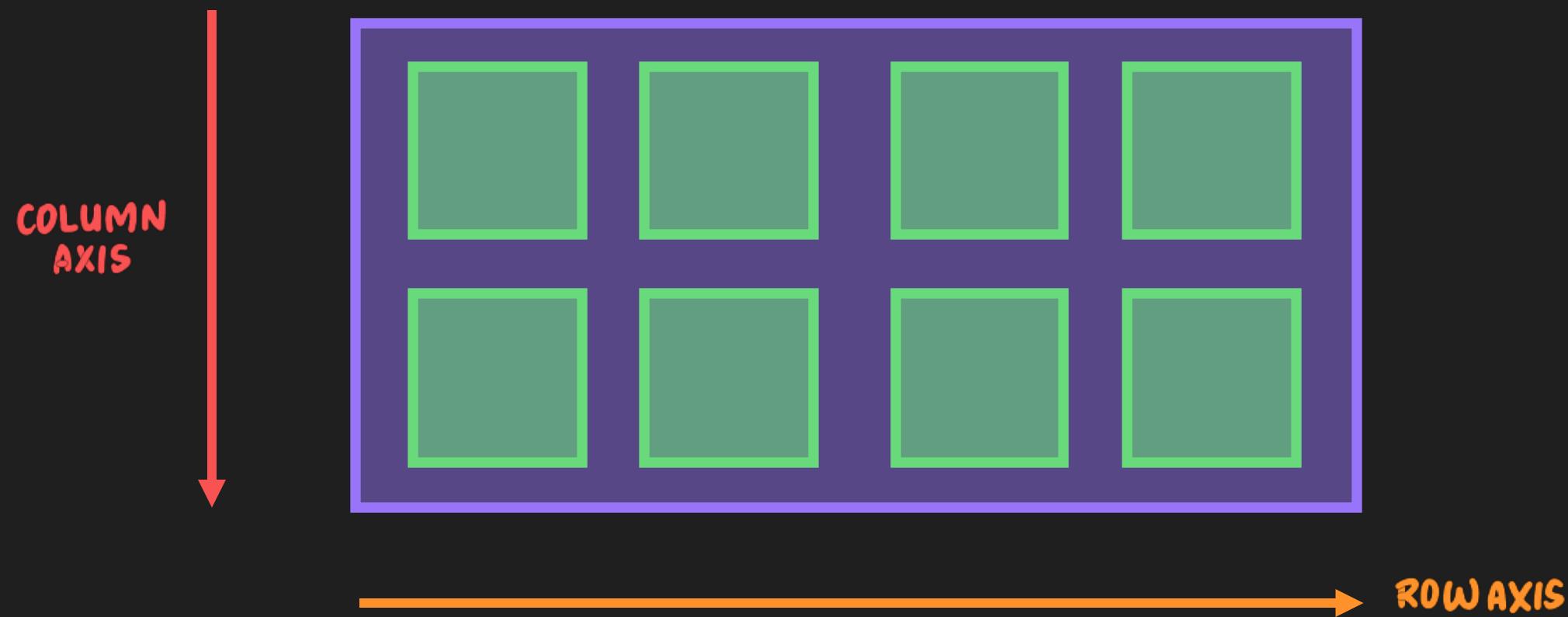
CSS GRID HAS TWO MAIN COMPONENTS



# CSS GRID TERMINOLOGY

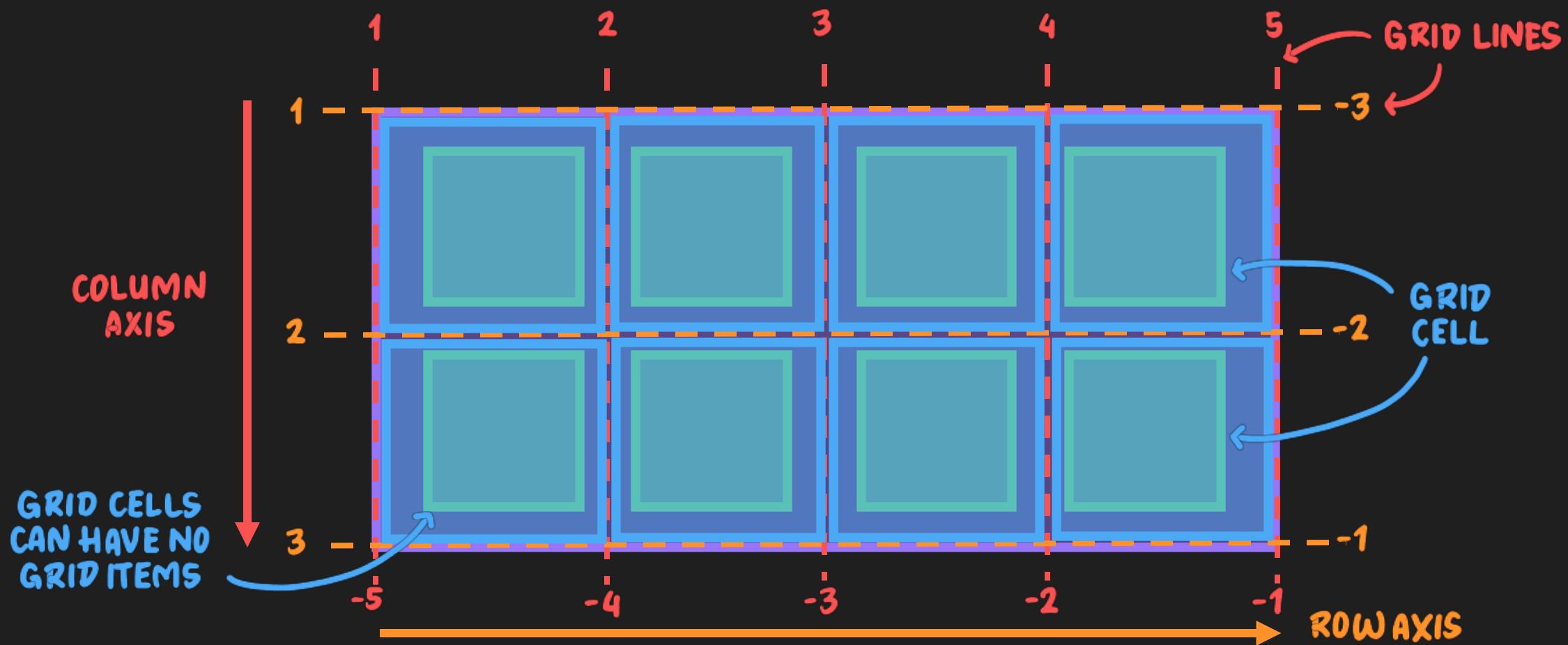
CSS GRID HAS TWO AXIS

CAN'T CHANGE  
DIRECTION OF THE AXIS



# CSS GRID TERMINOLOGY

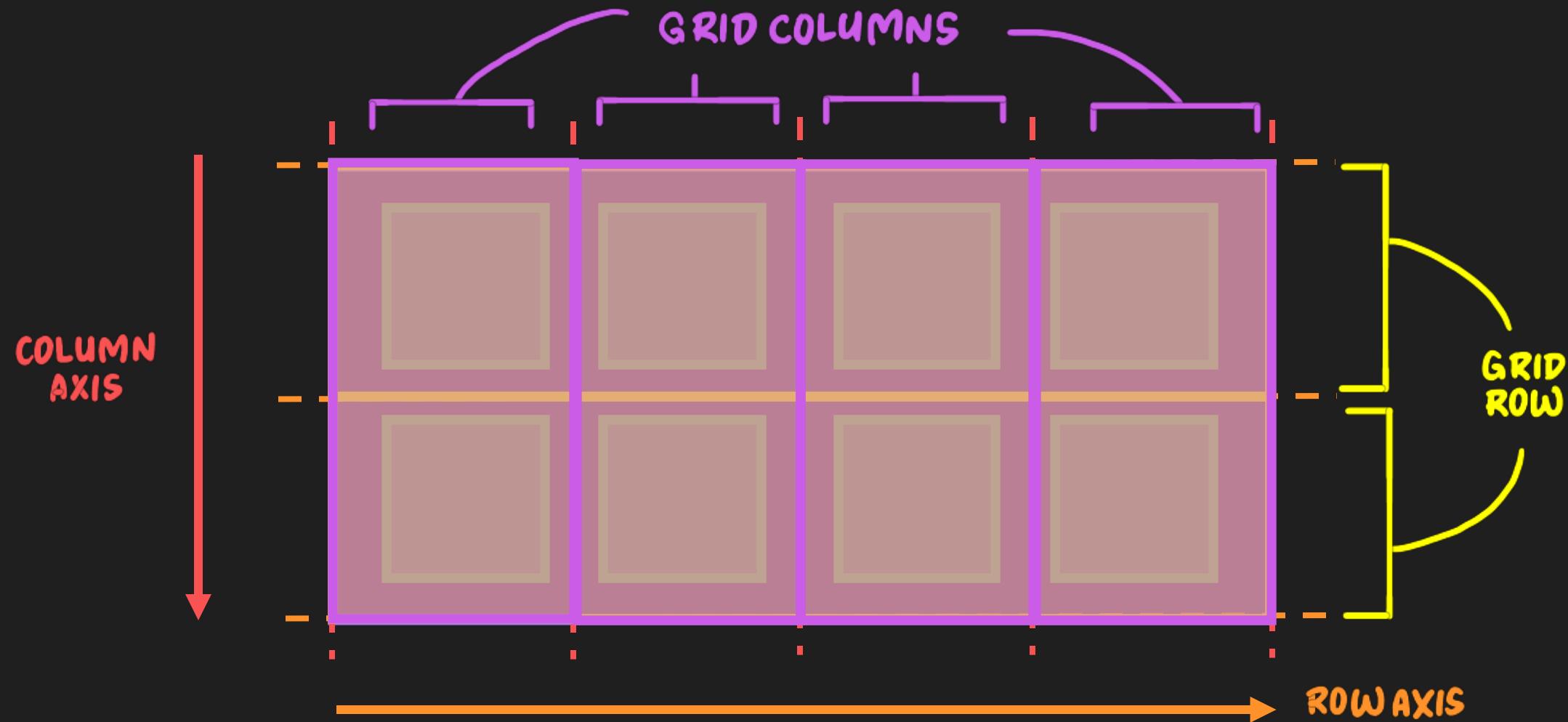
THE GRID IS DIVIDED INTO GRID CELLS BY GRID LINES



# CSS GRID TERMINOLOGY

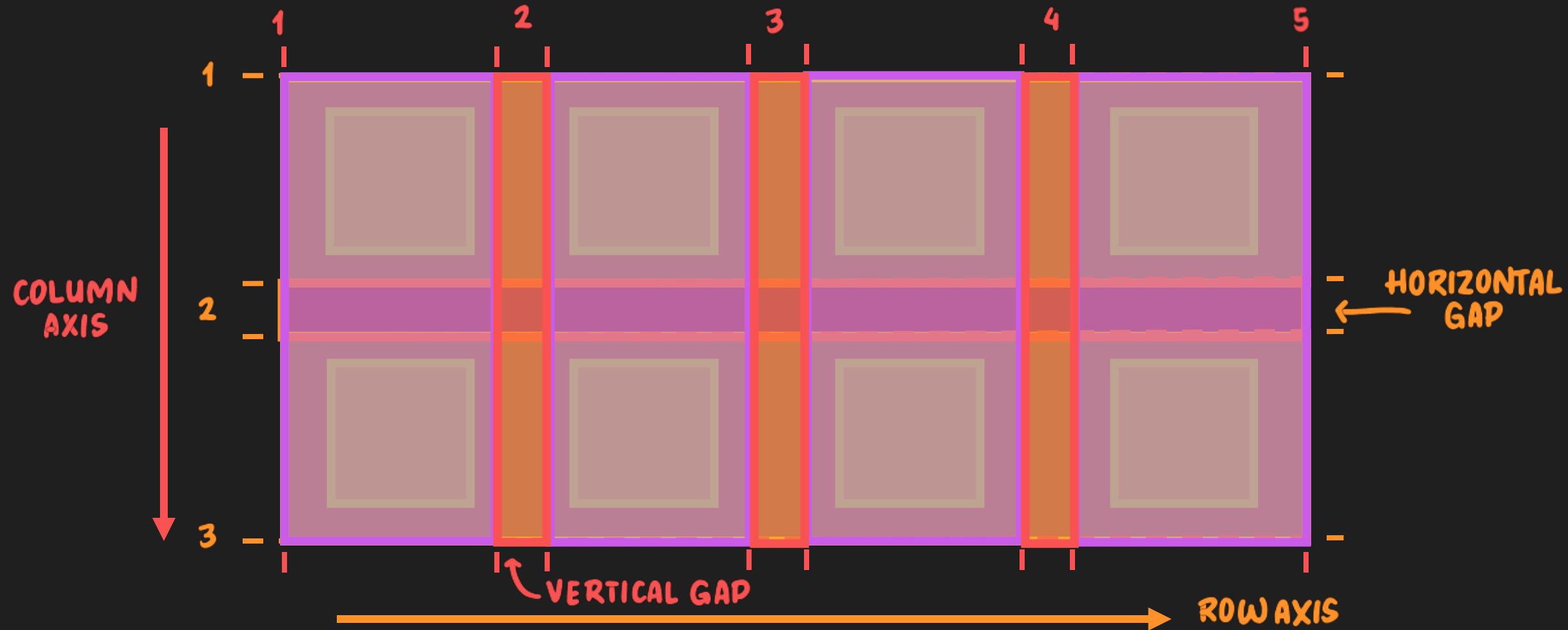
GRID LINES DEFINE GRID TRACKS ↗

ROWS &  
COLUMNS



# CSS GRID TERMINOLOGY

GRID ROWS AND COLUMNS CAN HAVE SPACING BETWEEN THEM



# DISPLAY GRID

THE DISPLAY PROPERTY ON A CONTAINER ELEMENT WILL ACTIVATE GRID LAYOUT FEATURES ON CHILDREN ELEMENTS

DECLARED ON  
GRID CONTAINER  
(PARENT)

display: grid;

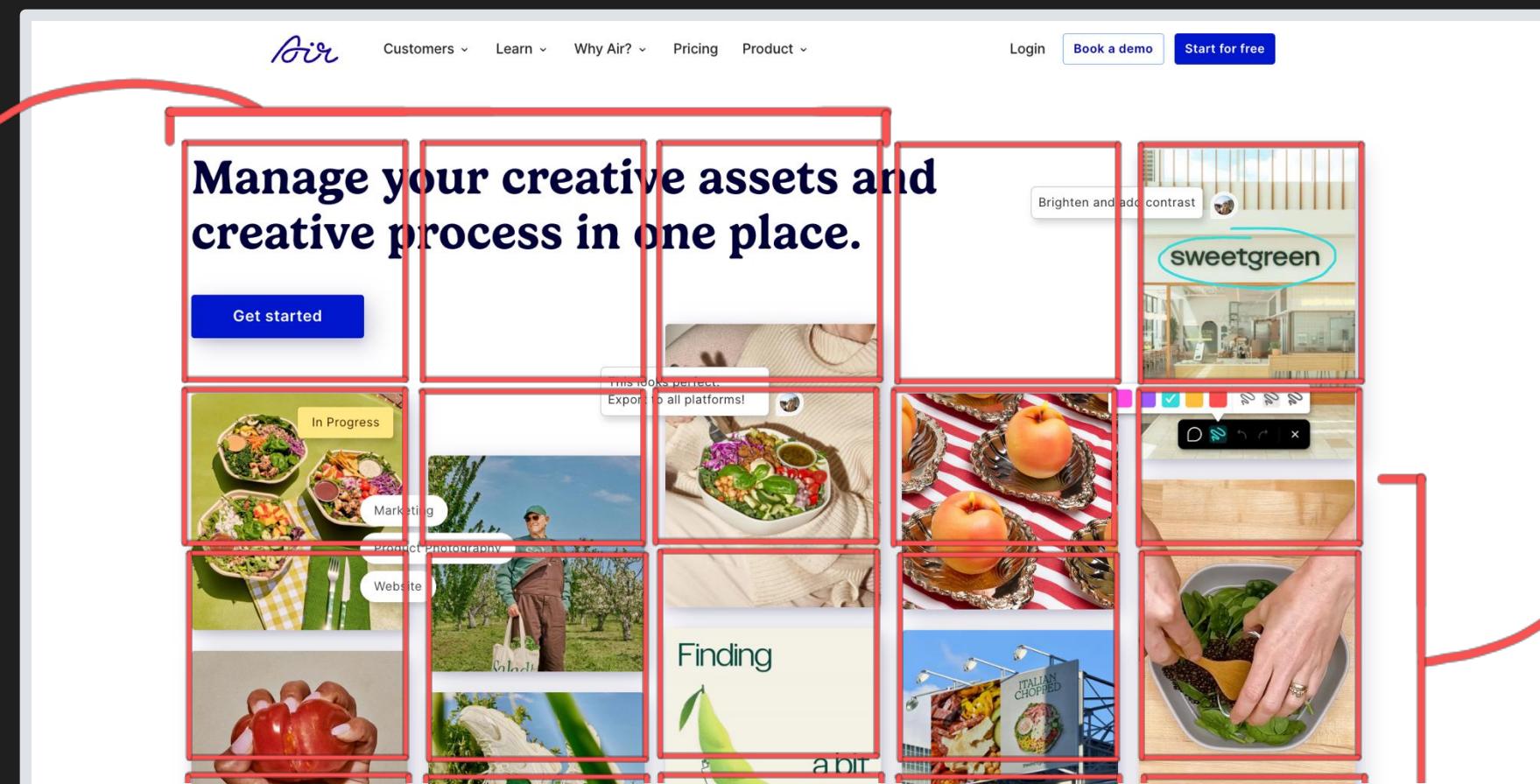
## VALUES

block inline inline-block flex grid

# CSS GRID GUIDANCE

CSS GRID CAN BE USED FOR COMPLEX TWO-DIMENSIONAL LAYOUTS

TEXT SPANNING  
GRID CELLS



IMAGES  
SPANNING  
CELLS

# CSS GRID GUIDANCE

GRID IS ALSO COMMONLY USED FOR MAJOR SECTIONS

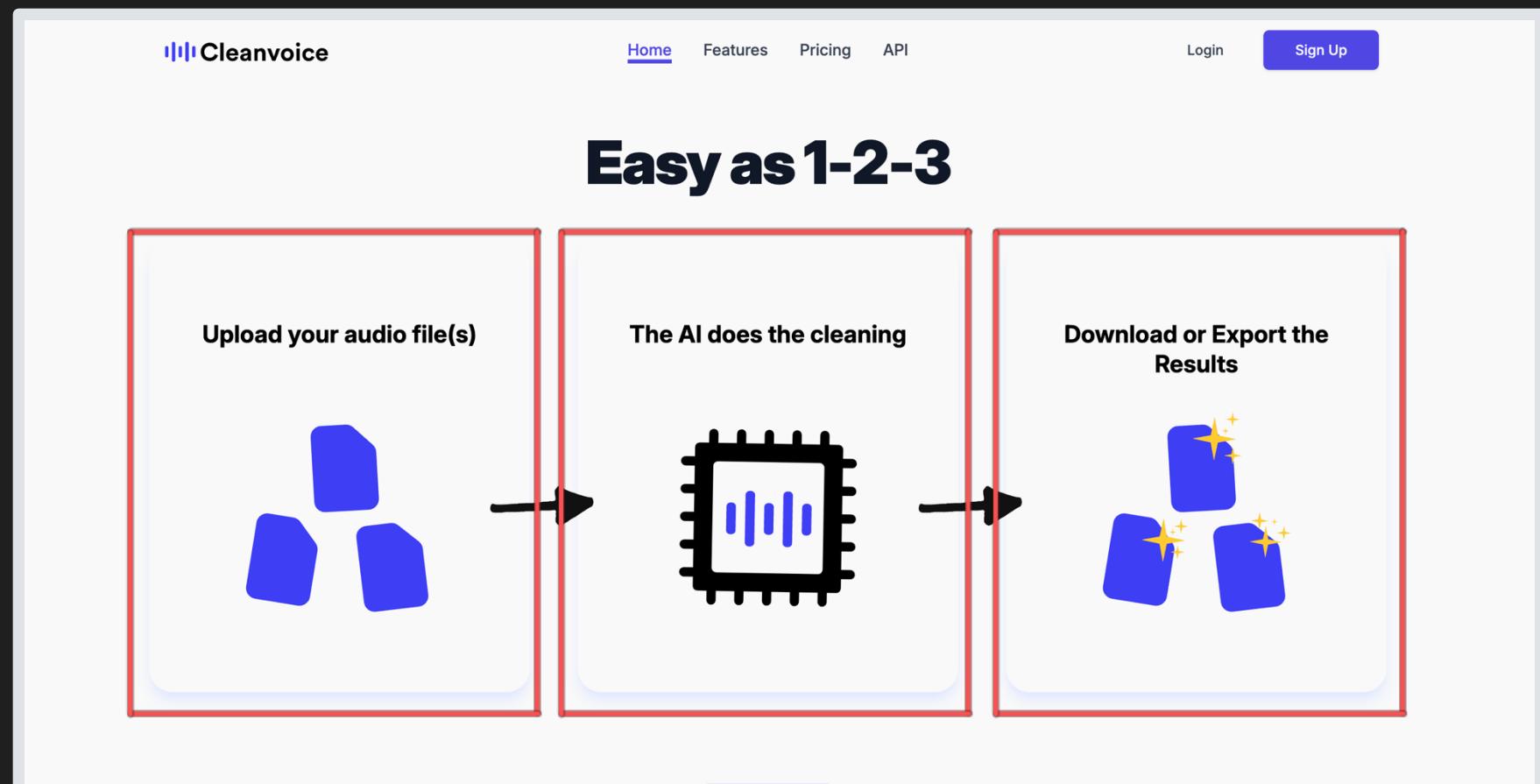
The screenshot shows the homepage of the Cleanvoice website. The header includes the logo, navigation links (Home, Features, Pricing, API), and user authentication buttons (Login, Sign Up). Below the header, the page is organized into four main sections arranged in a 2x2 grid, each enclosed in a red border.

- Top Left Section:** Contains a globe icon with speech bubbles containing words like "um", "uh", "er", and "mm".
- Top Right Section:** Headline: "Remove Filler Words in 20+ Languages". Subtext: "Cleanvoice detects and removes filler sounds such as um's, ah's, etc. in multiple languages like German or French. The algorithm can also work with accents from other countries, such as Australian ones or Irish." Call-to-action: "Learn about filler words remover →".
- Bottom Left Section:** Headline: "Automatic Audio Enhancement". Subtext: "If you're like us, you hate it when your podcasts have unwanted background noise. Just imagine how much better your podcasts will sound without all that pesky cafe noise, traffic sounds, white noise or any other kind of background noise." Call-to-action: "With Cleanvoice, you can have the cleanest sounding".
- Bottom Right Section:** An audio waveform visualization.

# CSS GRID GUIDANCE

COULD ALSO  
USE FLEXBOX

GRID IS ALSO COMMONLY USED FOR UI ELEMENTS WITH  
CONSISTENT SPACING IN A ONE-DIMENSIONAL ROW OR COLUMN



# CSS GRID VS. FLEXBOX

SMALLER UI

→ FLEXBOX

`display: flex;`

ONE-DIMENSIONAL  
(ROW OR COLUMN)

NAVIGATION BARS

FOOTERS

COMPONENTS

HERO SECTIONS

FORMS

LARGER UI

→ GRID

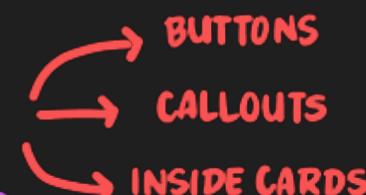
`display: grid;`

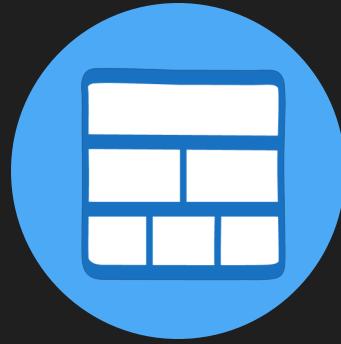
TWO-DIMENSIONAL  
(ROW AND COLUMN)

COMPLEX 2D LAYOUTS

FEATURES

CARDS





CSS GRID

# GRID COLUMNS & ROWS

GRID TEMPLATE COLUMNS & ROWS

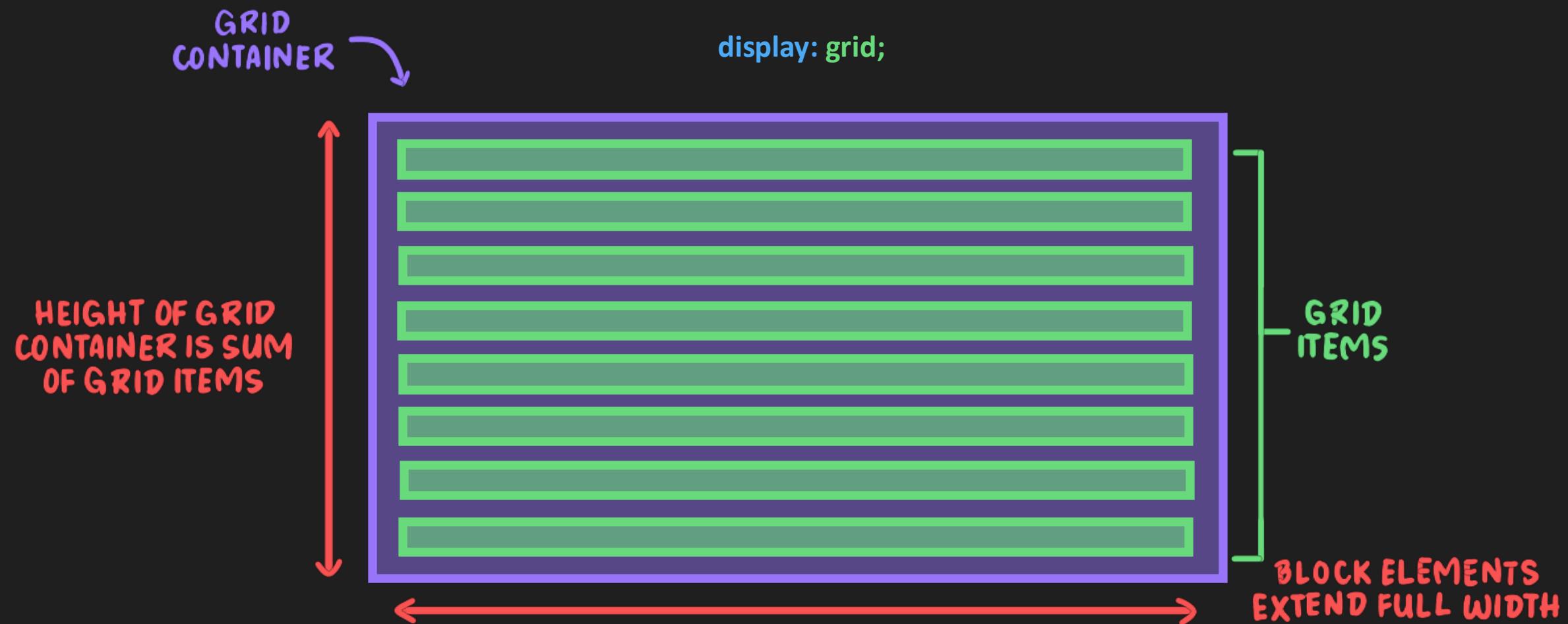
FRACTIONAL UNIT

REPEAT FUNCTION

GRID COLUMN & ROW DESIGN GUIDANCE

# GRID COLUMNS & ROWS

GRID ITEMS WILL APPEAR IN A SINGLE COLUMN BY DEFAULT



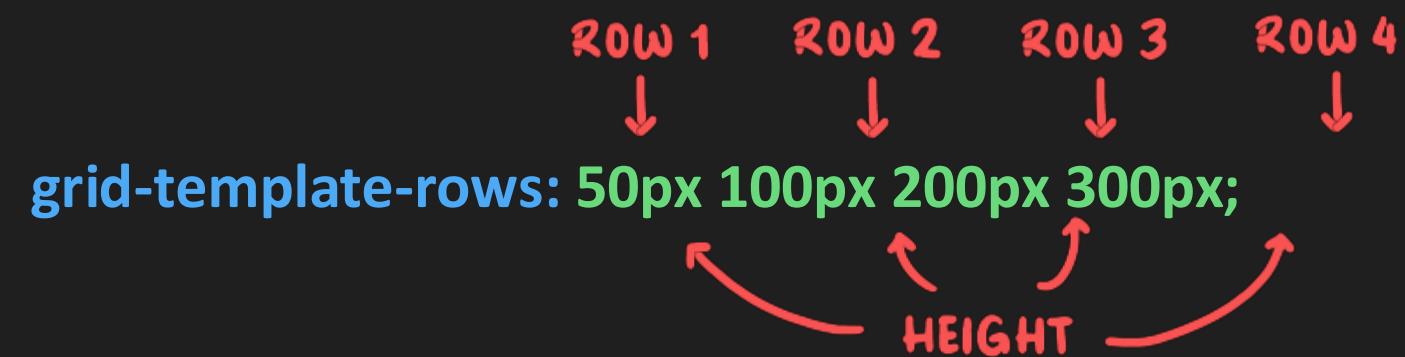
# GRID TEMPLATE COLUMNS

SETS THE NUMBER OF COLUMNS AND WIDTH OF EACH

COLUMN 1      COLUMN 2  
↓                ↓  
`grid-template-columns: 100px 200px;`  
↑                ↑  
WIDTH

# GRID TEMPLATE ROWS

SETS THE NUMBER OF ROWS AND HEIGHT OF EACH





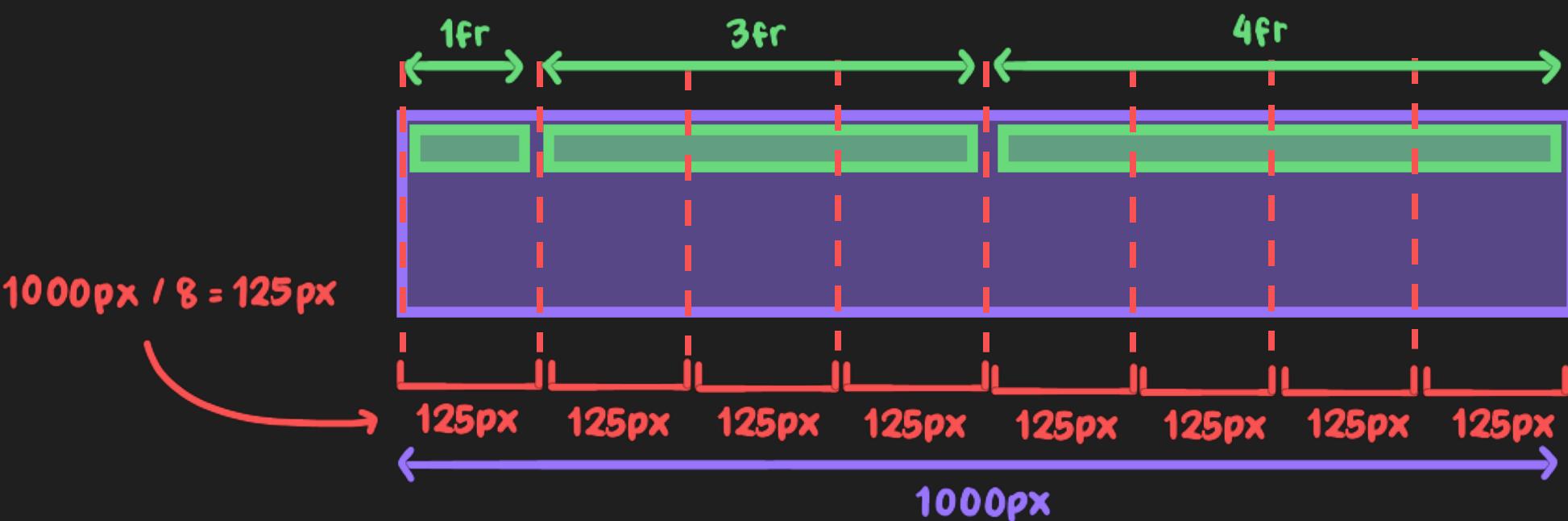
# FRACTIONAL UNIT ←

VERY COMMONLY  
USED IN CSS GRID

## THE FRACTION OF AVAILABLE SPACE IN THE GRID CONTAINER

grid-template-columns: 1fr 3fr 4fr;

TOTAL FRACTIONS =  $1 + 3 + 4 = 8$



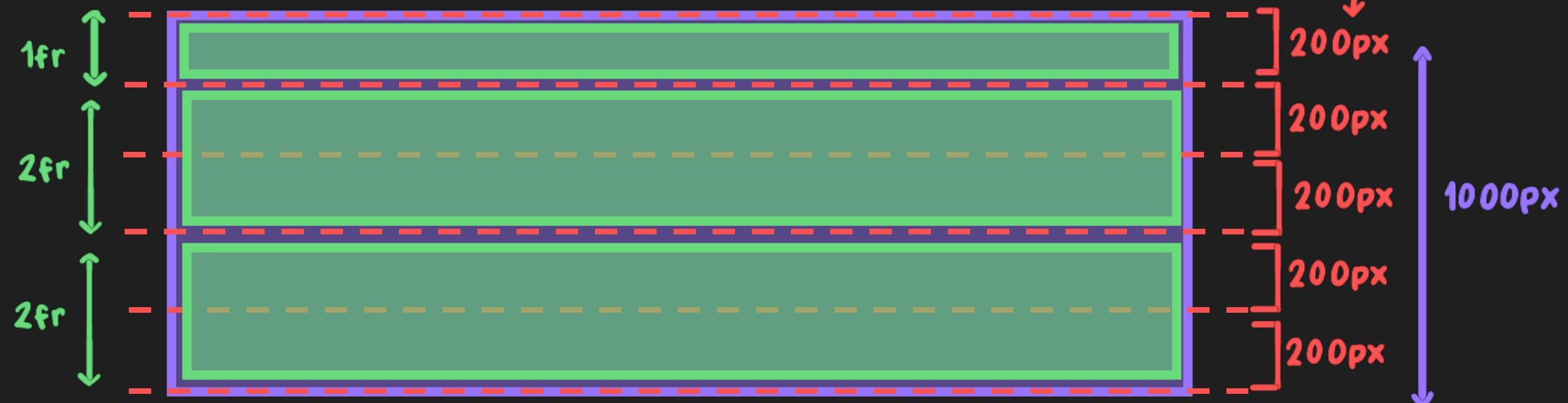
# FRACTIONAL UNIT AND ROWS

IF HEIGHT IS SET ON A GRID CONTAINER, FR UNITS PROPORTIONALLY DISTRIBUTE SPACE TO THE GRID ITEMS

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

TOTAL FRACTIONS =  $1 + 2 + 2 = 5$

$$1000\text{px} / 5 = 200\text{px}$$



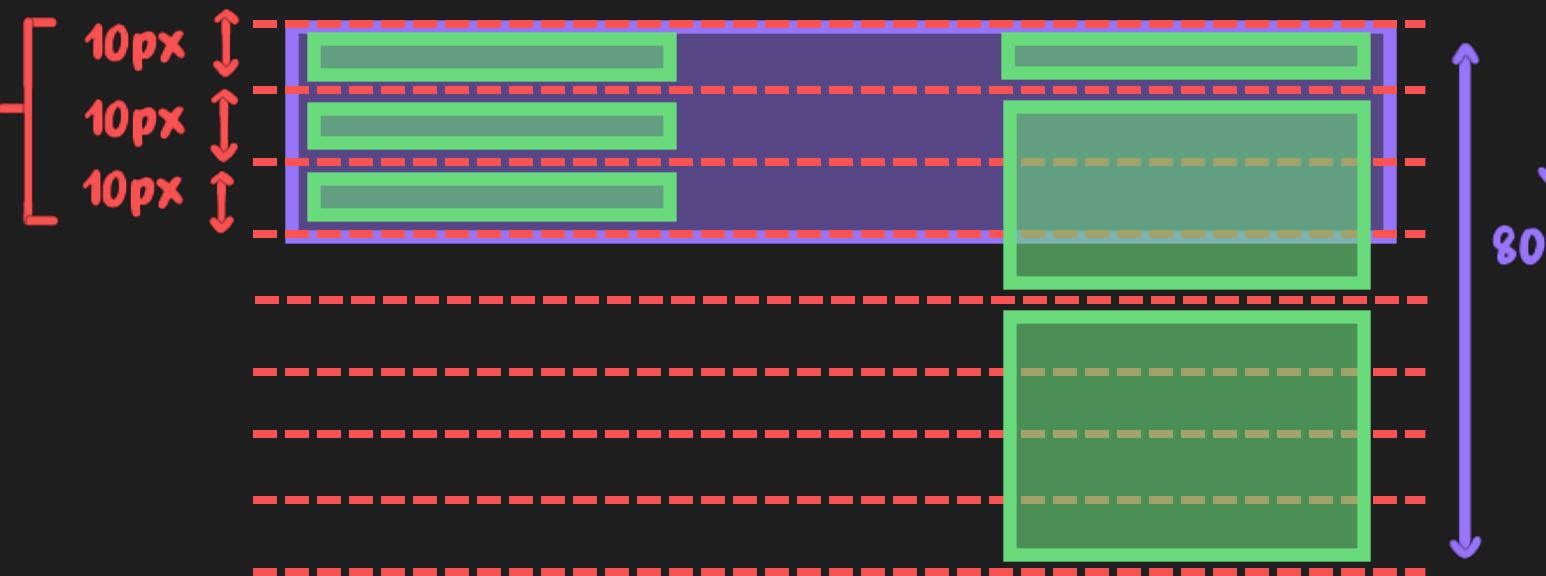
# FRACTIONAL UNIT AND ROWS

IF NO HEIGHT IS SET ON A GRID CONTAINER, FR UNITS USE THE HEIGHT OF THE GRID ITEMS TO SET HEIGHT & SPACE ON THE GRID CONTAINER

UNEXPECTED ↗

grid-template-rows: 1fr 3fr 4fr;

NO HEIGHT SET  
ON GRID  
CONTAINER,  
HEIGHT IS SUM  
OF CONTENT



GRID CONTAINER  
SCALES BASED  
ON GRID ITEMS

80px ↘

TOTAL FRACTIONS =  $1 + 3 + 4 = 8$

TOTAL HEIGHT =  $(10\text{px} \times 1) + (10\text{px} \times 3) + (10\text{px} \times 4) = 80\text{px}$

# REPEAT FUNCTION

USED TO REPEAT ROWS OR COLUMN DIMENSIONS  
WHEN THEY ARE RECURRING

grid-template-columns: repeat(4, 1fr)

NUMBER OF COL OR ROWS →

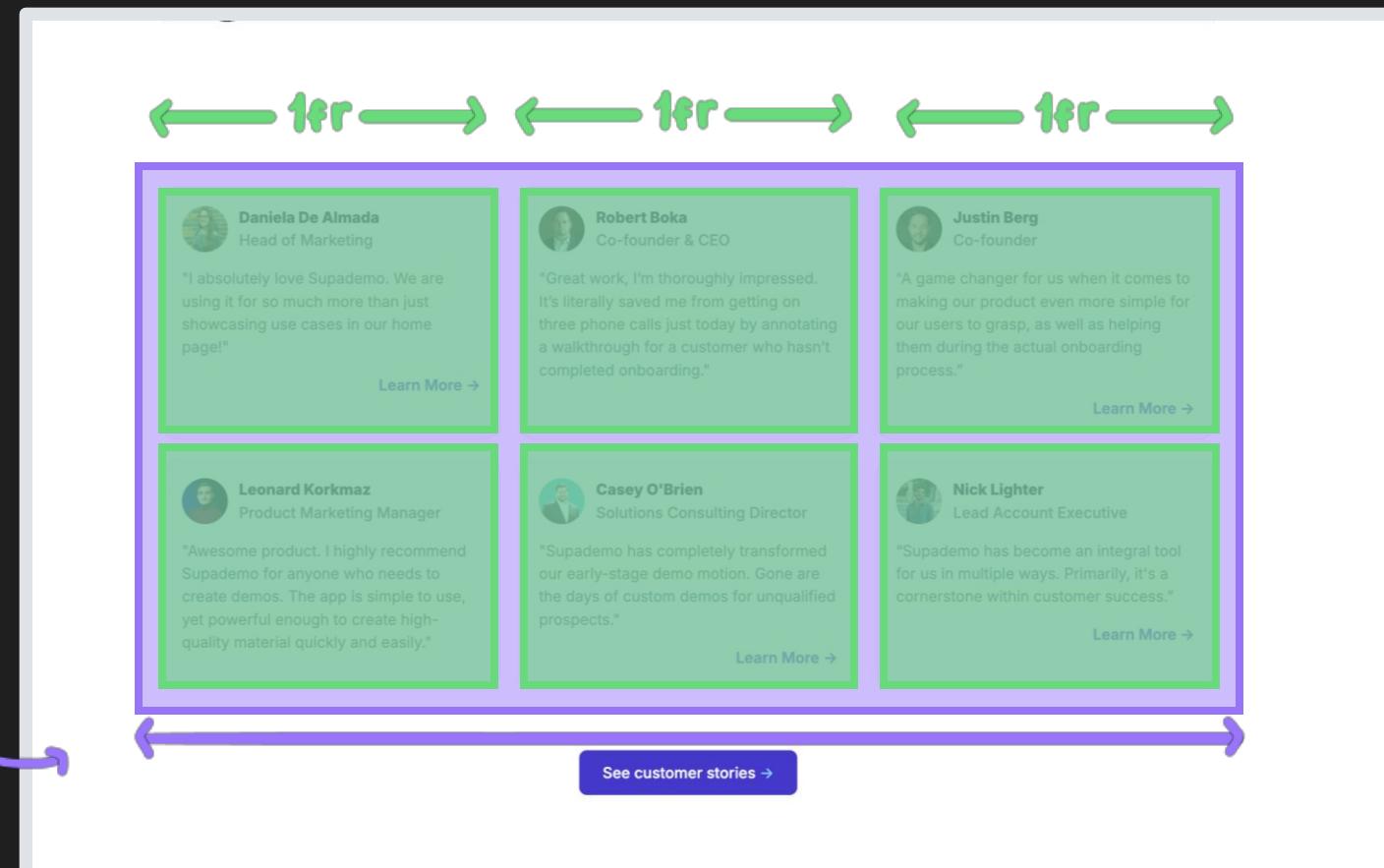
SIZE VALUE ↘



# COLUMN AND ROW GUIDANCE

COLUMNS ARE OFTEN SET WITH FR UNITS AND THE WIDTH OF GRID CONTAINER IS USUALLY NOT SET BUT EXTENDS WIDTH OF THE PAGE

GRID CONTAINER  
WIDTH EXTENDS  
FULL WIDTH OF PAGE





# COLUMN AND ROW GUIDANCE

THE NUMBER OF ROWS ARE NOT USUALLY SET BUT ARE AUTOMATICALLY DEFINED BY THE NUMBER OF GRID ITEMS

3 COLUMNS  
WITH 6 GRID ITEMS  
AUTOMATICALLY  
CREATES 2 x 3 GRID

GRID CONTAINER  
WIDTH EXTENDS  
FULL WIDTH OF PAGE

The diagram illustrates a grid layout with 6 items arranged in 2 rows and 3 columns. Each item is a testimonial card with a green border. The grid is contained within a purple border. Above the grid, three green double-headed arrows labeled "1fr" indicate the width of each column. A purple double-headed arrow at the bottom indicates the full width of the grid container.

Column 1	Column 2	Column 3
Daniela De Almada Head of Marketing "I absolutely love Supademo. We are using it for so much more than just showcasing use cases in our home page!" <a href="#">Learn More →</a>	Robert Boka Co-founder & CEO "Great work, I'm thoroughly impressed. It's literally saved me from getting on three phone calls just today by annotating a walkthrough for a customer who hasn't completed onboarding."	Justin Berg Co-founder "A game changer for us when it comes to making our product even more simple for our users to grasp, as well as helping them during the actual onboarding process." <a href="#">Learn More →</a>
Leonard Korkmaz Product Marketing Manager "Awesome product. I highly recommend Supademo for anyone who needs to create demos. The app is simple to use, yet powerful enough to create high-quality material quickly and easily."	Casey O'Brien Solutions Consulting Director "Supademo has completely transformed our early-stage demo motion. Gone are the days of custom demos for unqualified prospects."	Nick Lighter Lead Account Executive "Supademo has become an integral tool for us in multiple ways. Primarily, it's a cornerstone within customer success."

[See customer stories →](#)

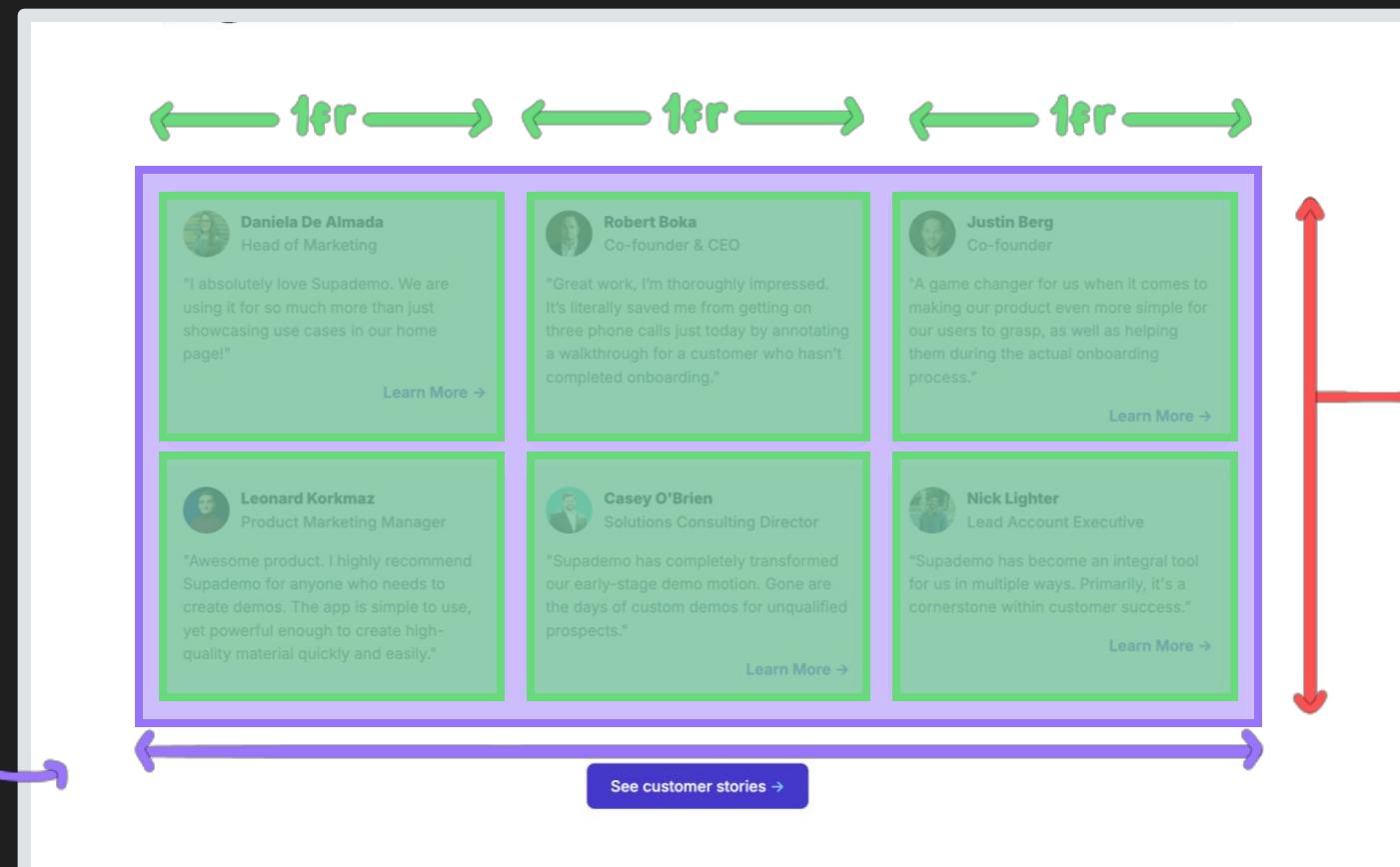


# COLUMN AND ROW GUIDANCE

THE HEIGHT OF THE GRID CONTAINER IS NOT USUALLY SET BUT DEFINED BY THE SUM OF THE HEIGHT OF THE GRID ITEMS

3 COLUMNS  
WITH 6 GRID ITEMS  
AUTOMATICALLY  
CREATES 2 x 3 GRID

GRID CONTAINER  
WIDTH EXTENDS  
FULL WIDTH OF PAGE



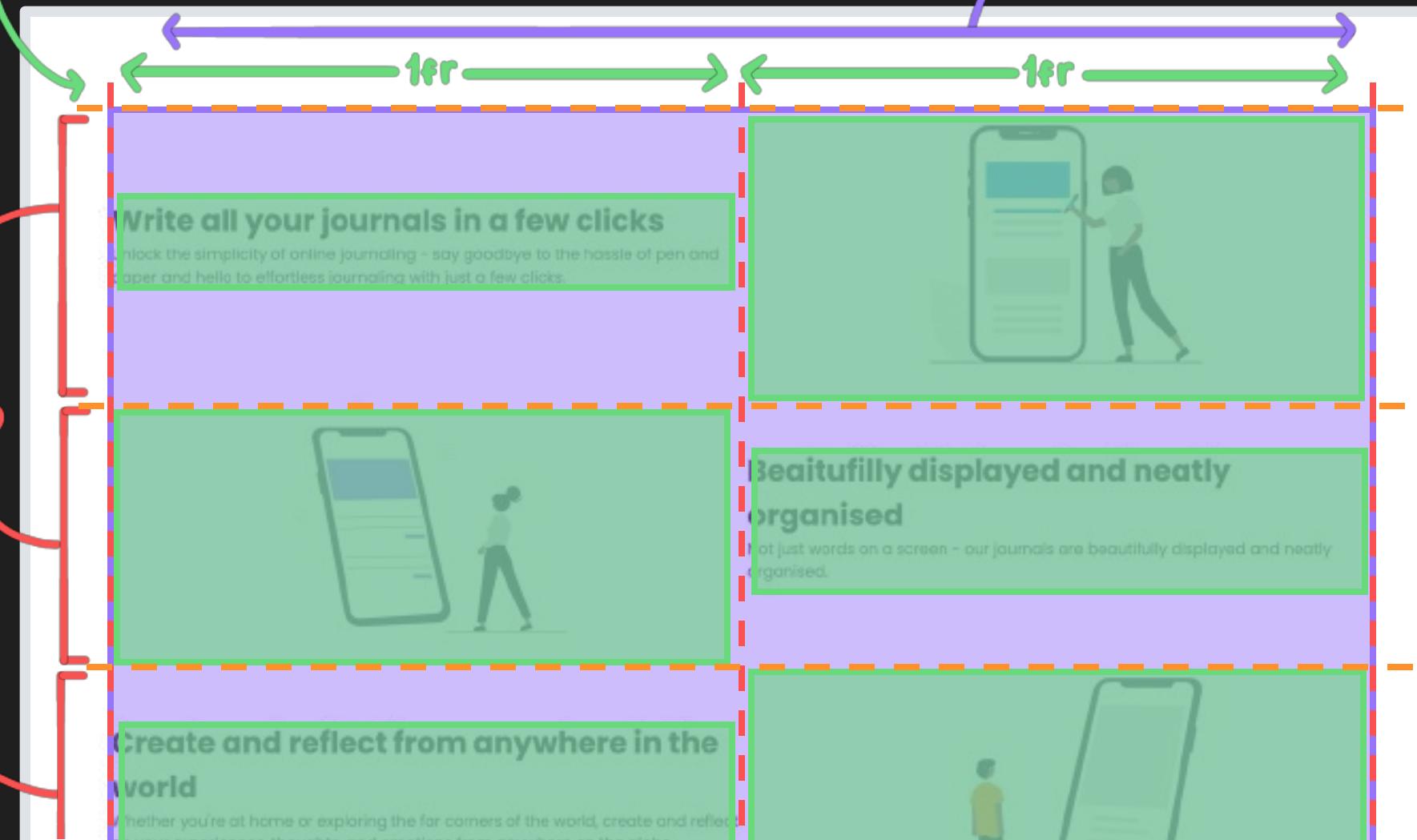
HEIGHT OF GRID  
CONTAINER IS SUM OF  
HEIGHT OF THE CONTENT  
IN THE GRID ITEMS

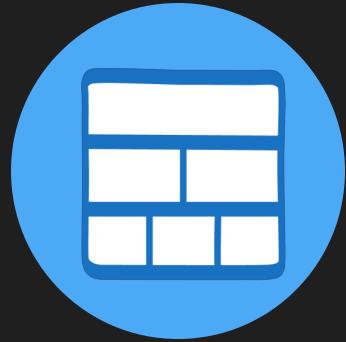
# QUILL HOMEPAGE

2 COLUMNS WITH 6 GRID ITEMS AUTOMATICALLY CREATES 3 X 2 GRID

GRID CONTAINER WIDTH EXTENDS FULL WIDTH OF PAGE

HEIGHT OF GRID CONTAINER SET BY HEIGHT OF IMAGES





CSS GRID

# GRID GAP

DEFAULT SPACING BETWEEN GRID ITEMS

GAP PROPERTY

GAP DESIGN GUIDANCE

# DEFAULT SPACING BETWEEN GRID ITEM

BY DEFAULT, GRID ITEMS ARE PLACED NEXT TO EACH OTHER WITH NO SPACING BETWEEN THEM

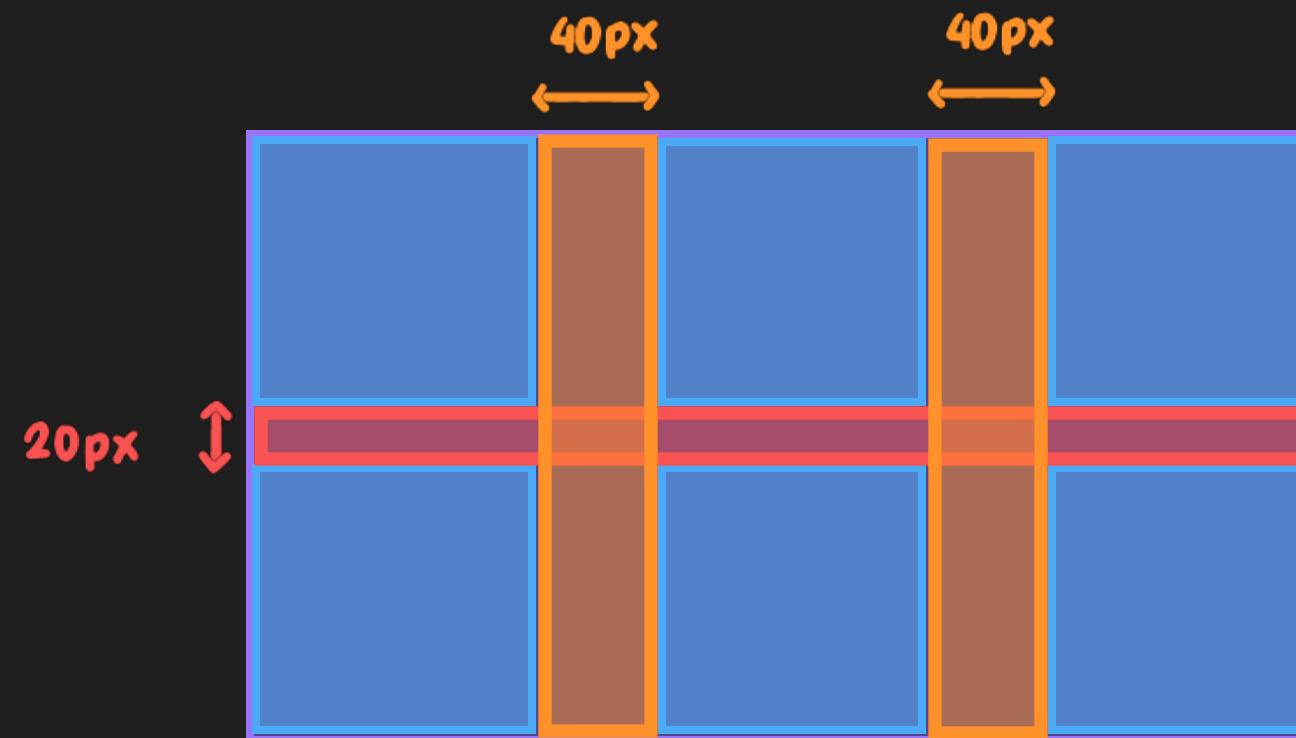


# GAP PROPERTY

THE GAP PROPERTY CREATES SPACE BETWEEN GRID ROWS AND COLUMNS

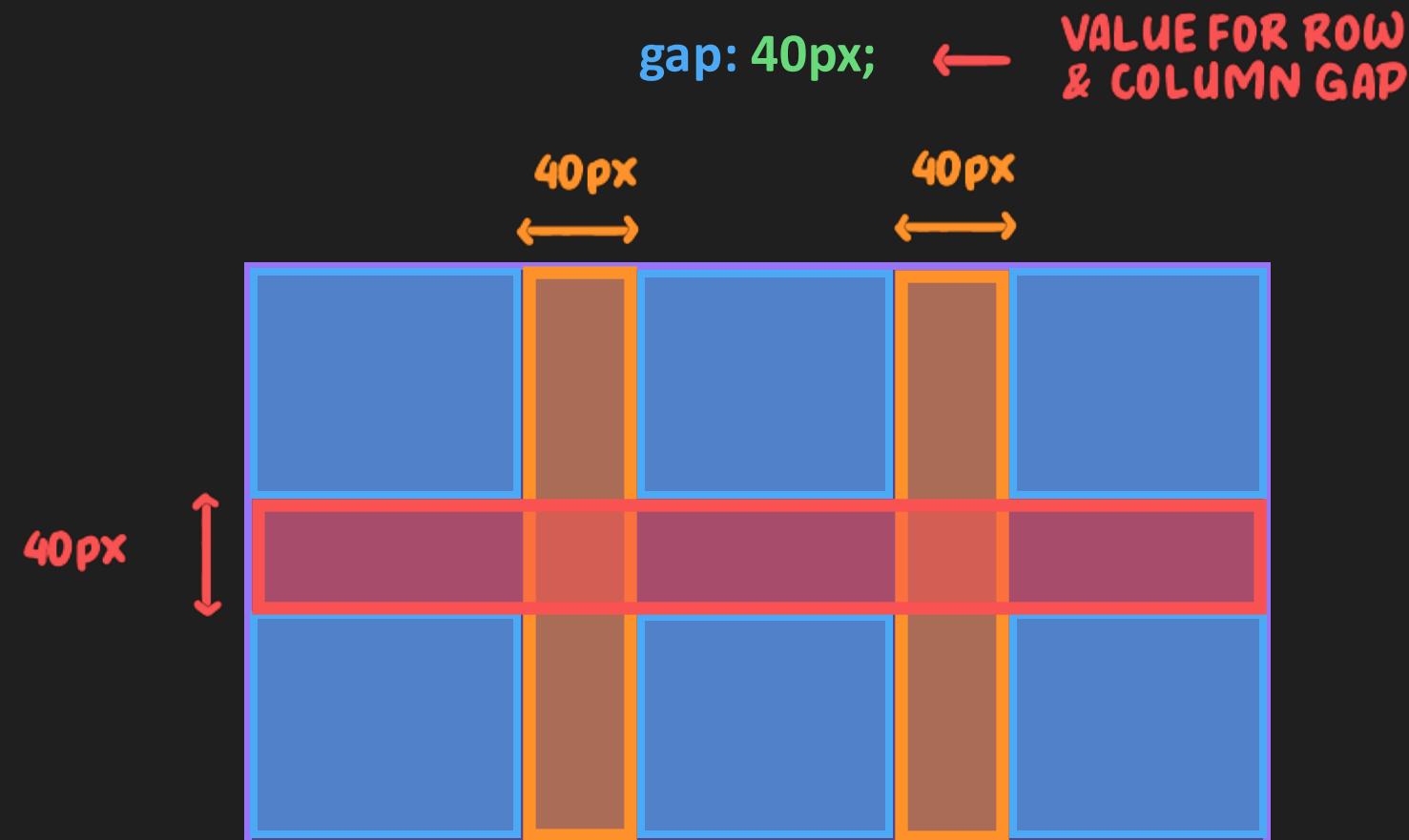
row-gap: 20px;

column-gap: 40px;



# GAP PROPERTY

THE GAP PROPERTY CREATES SPACE BETWEEN GRID ROWS AND COLUMNS



# GAP GUIDANCE

COMMONLY USED TO SPACE GRID ITEMS IN MAJOR SECTIONS

**Enhance your product demos with Generative AI**

Scale how your team communicates products with AI. Add AI voiceovers, auto-generate text annotations, and translate Supademo into 15+ languages with one click.

Synthetic AI Voiceovers   Automatic Text Annotations  
Generative AI Text   AI Translations

**Share everywhere to drive adoption and engagement**

Share your Supademo as a link, multi-demo tour, or embed across support docs, websites, and onboarding playbooks.

Showcase Product Tours   Embed Anywhere   Share Link  
Team Workspaces   Advanced Analytics

**STRAVA** Strava feature showcase

INTRODUCTION  
Strava Benefits and Features  
Strava Mobile App Tour

TRACK & ANALYZE  
Creating Custom Routes on Strava  
Training on Strava

SHARE & CONNECT  
Explore Clubs on Strava

EXPLORE & COMPETE  
Segments on Strava

Creating Custom Routes on Strava

Next, set your activity preferences. We'll go with "Run".

# GAP GUIDANCE

COMMONLY USED FOR SPACING IN CARD LAYOUTS  
SUCH AS TESTIMONIALS AND FEATURES

## Scale how your team demonstrates products

Supademo makes product demos and guides quick and intuitive for everyone on the team.



### Branching & Showcases

Personalize demo experiences with branching or multi-demo showcases.



### Advanced Analytics

Get deep insights into dropoffs rates, conversion, engagement, and viewers.



### Team Workspaces

Asynchronously share, organize, and collaborate on Supademos as a team.



### Blurs and Annotations

Easily redact sensitive info or annotate screens directly within the editor.



### Auto-Translation

Translate your product demos instantly in 15+ languages with the power of AI.



### AI Voiceovers

Elevate demos with AI voice narration for enhanced and better user engagement.

# QUILL HOMEPAGE

COLUMN GAP

ROW GAP

15 / 5

## Write all your journals in a few clicks

Unlock the simplicity of online journaling – say goodbye to the hassle of pen and paper and hello to effortless journaling with just a few clicks.



## Beautifilly displayed and neatly organised

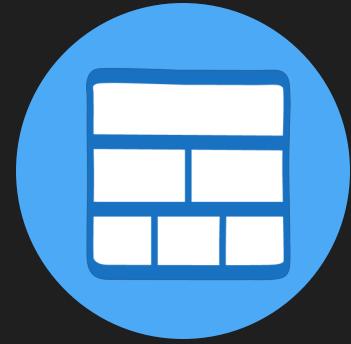
Not just words on a screen – our journals are beautifully displayed and neatly organised.



## Create and reflect from anywhere in the world

Whether you're at home or exploring the far corners of the world, create and reflect on your experiences, thoughts, and emotions from anywhere on the globe.





CSS GRID

# GRID ALIGNMENT

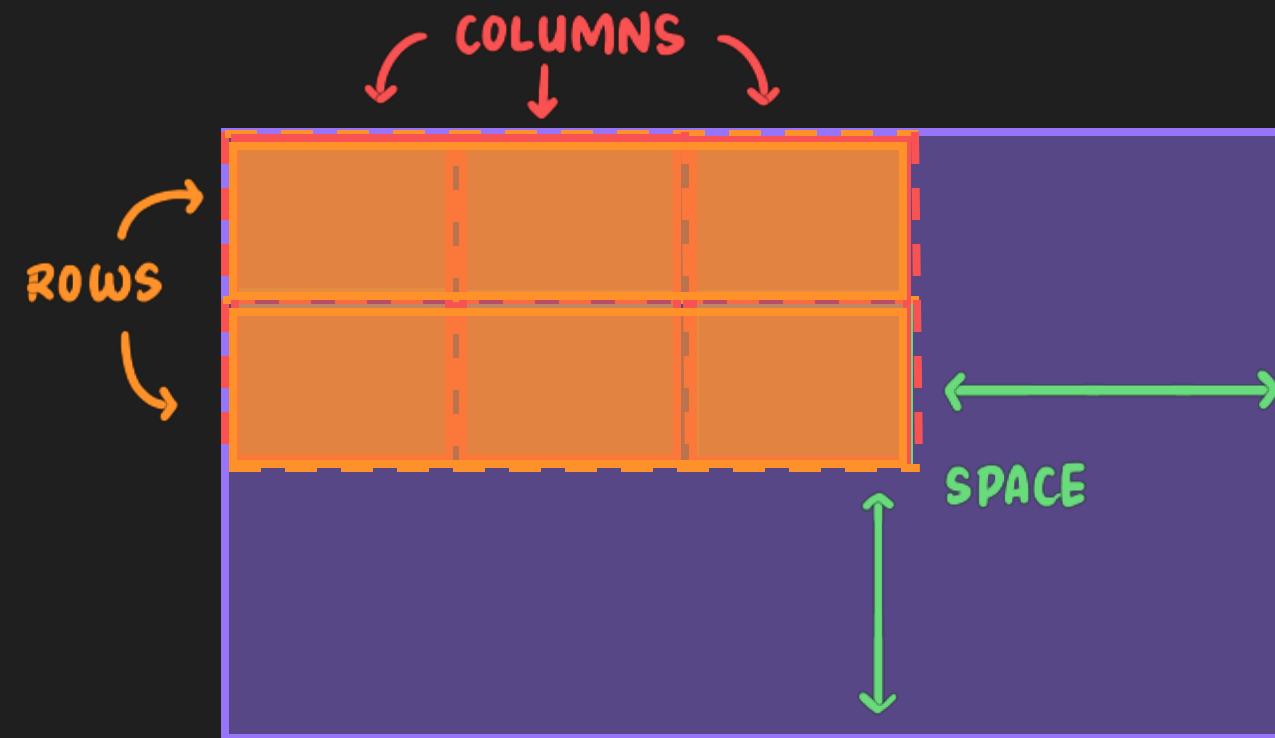
JUSTIFY CONTENT

ALIGN CONTENT

ITEMS VS. CONTENT

# GRID ALIGNMENT

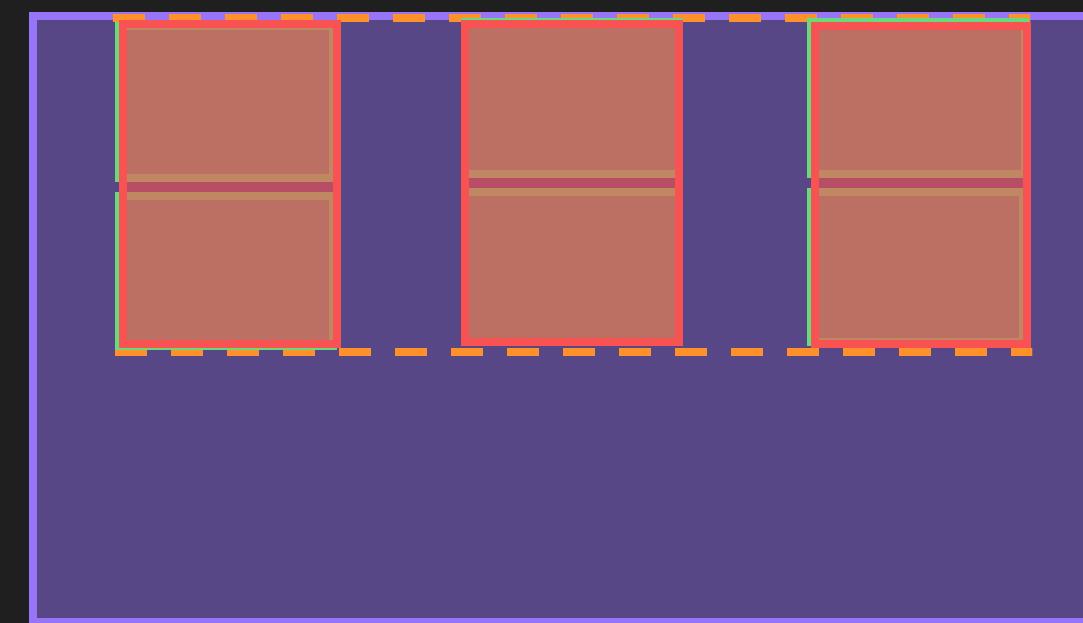
ENTIRE GRID TRACKS CAN BE ALIGNED AND DISTRIBUTED WHEN THERE IS EXTRA SPACE IN THE GRID CONTAINER



# JUSTIFY CONTENT ← SAME AS FLEXBOX

ALIGNS ENTIRE GRID COLUMNS ALONG THE ROW AXIS

`justify-content: space-evenly;`

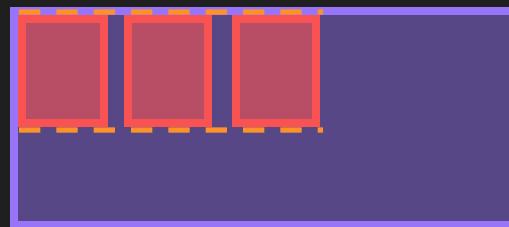


→ ROW AXIS

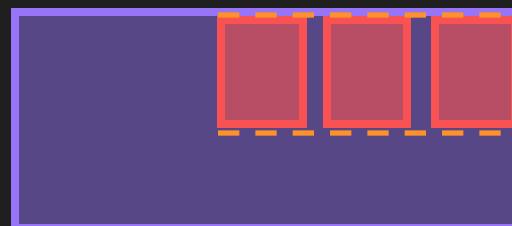
# JUSTIFY CONTENT VALUES

← DEFAULT

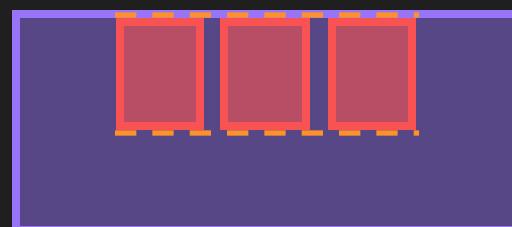
justify-content: start;



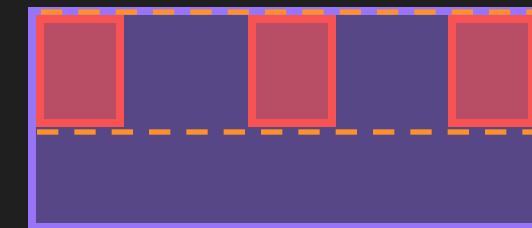
justify-content: end;



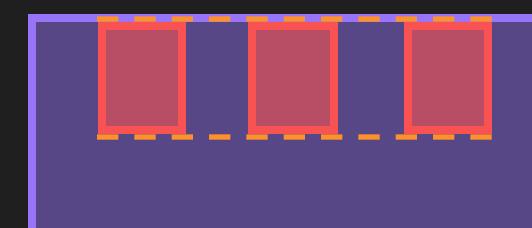
justify-content: center;



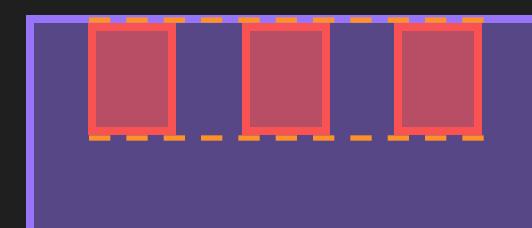
justify-content: space-between;



justify-content: space-around;



justify-content: space-evenly;

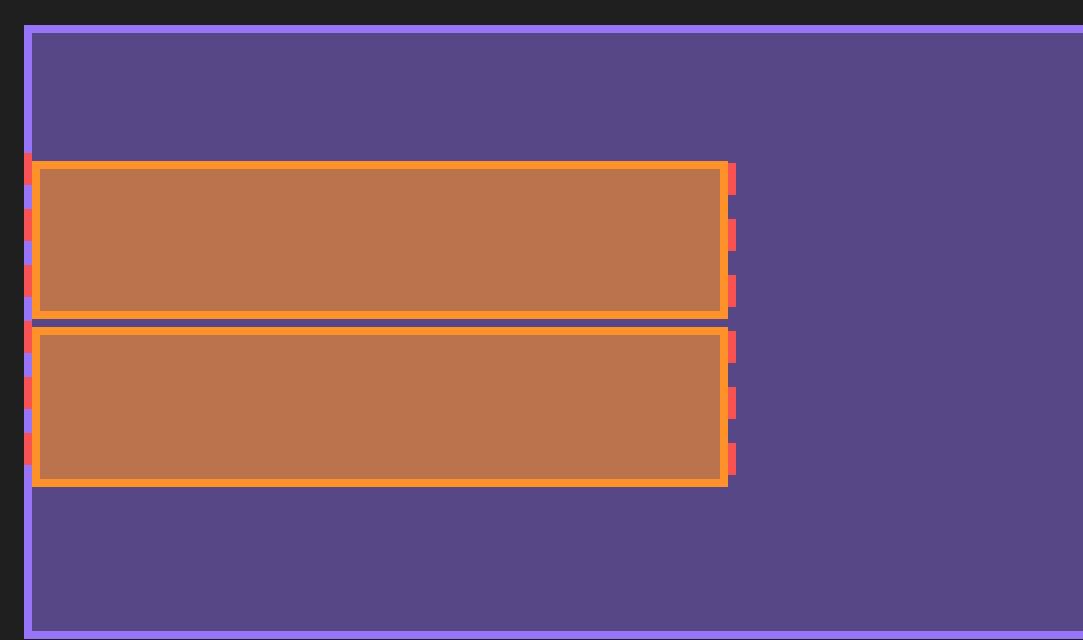


# ALIGN CONTENT ← SAME AS FLEXBOX

ALIGNS ENTIRE GRID ROWS ALONG THE COLUMN AXIS

`align-content: center;`

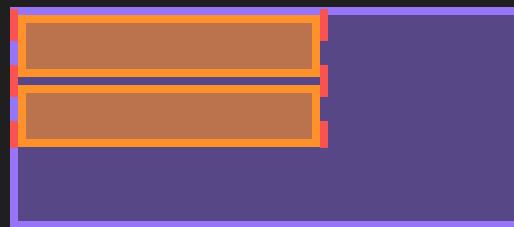
COLUMN  
AXIS



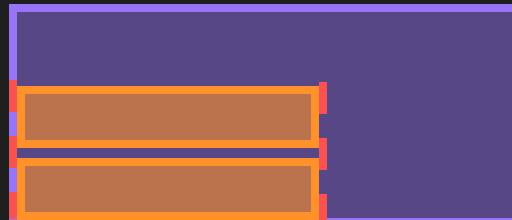
# ALIGN CONTENT VALUES

← **DEFAULT**

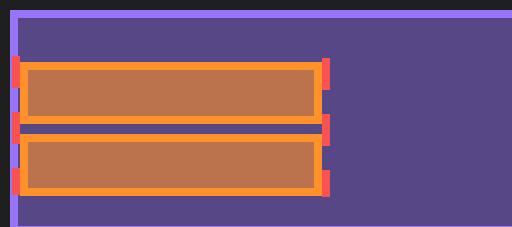
`align-content: start;`



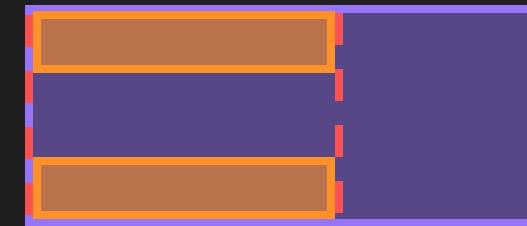
`align-content: end;`



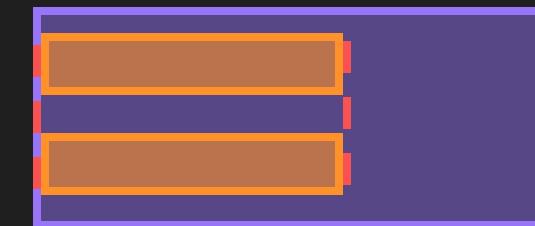
`align-content: center;`



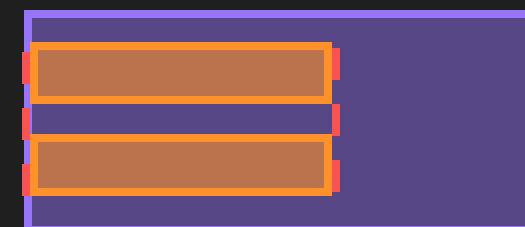
`align-content: space-between;`



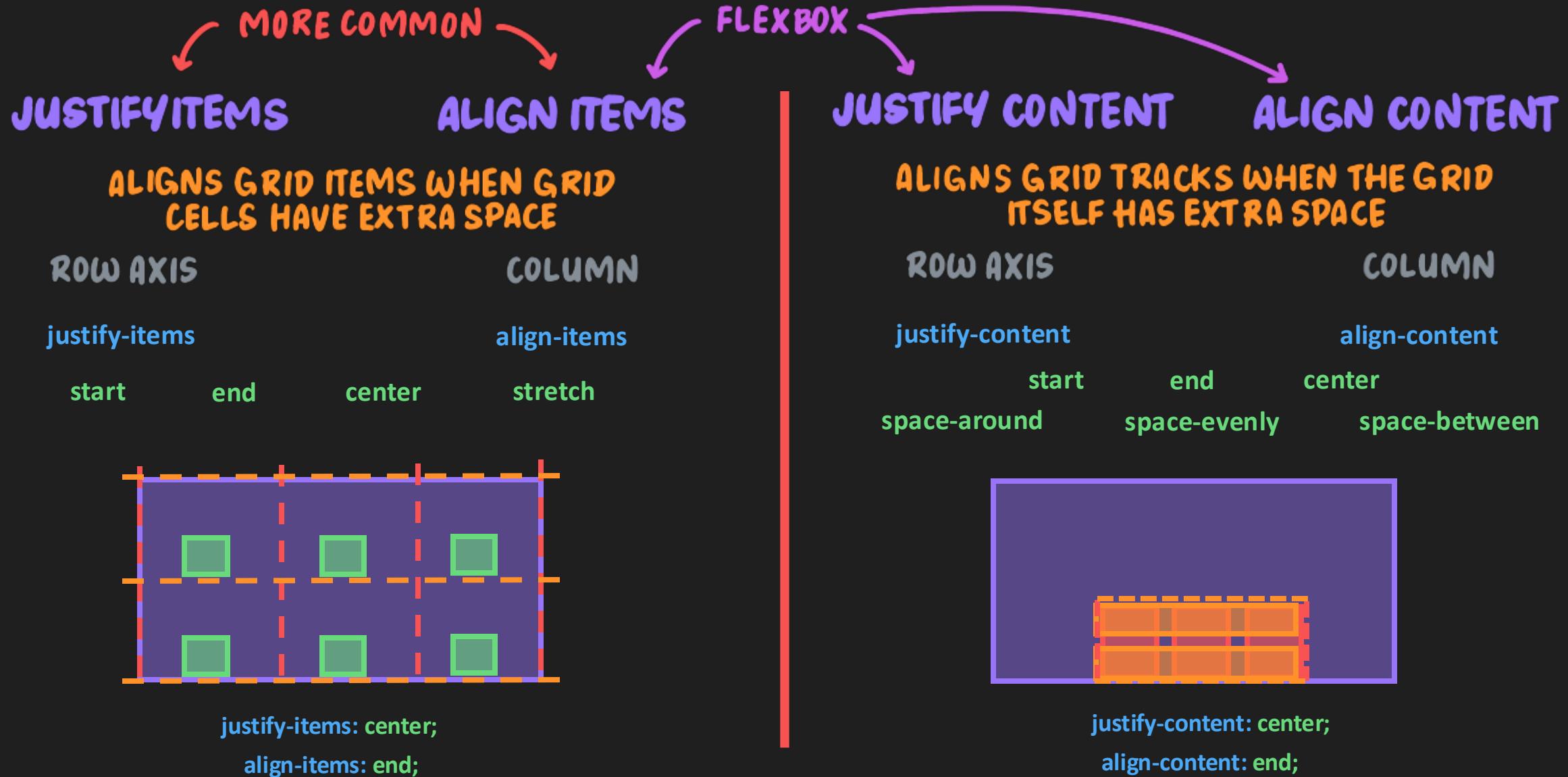
`align-content: space-around;`

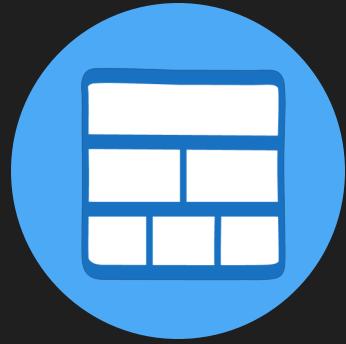


`align-content: space-evenly;`



# ITEMS VS. CONTENT





CSS GRID

# GRID ITEMS

PLACING GRID ITEMS

SPANNING GRID CELLS

ALIGNING GRID ITEMS

# PLACING GRID ITEMS

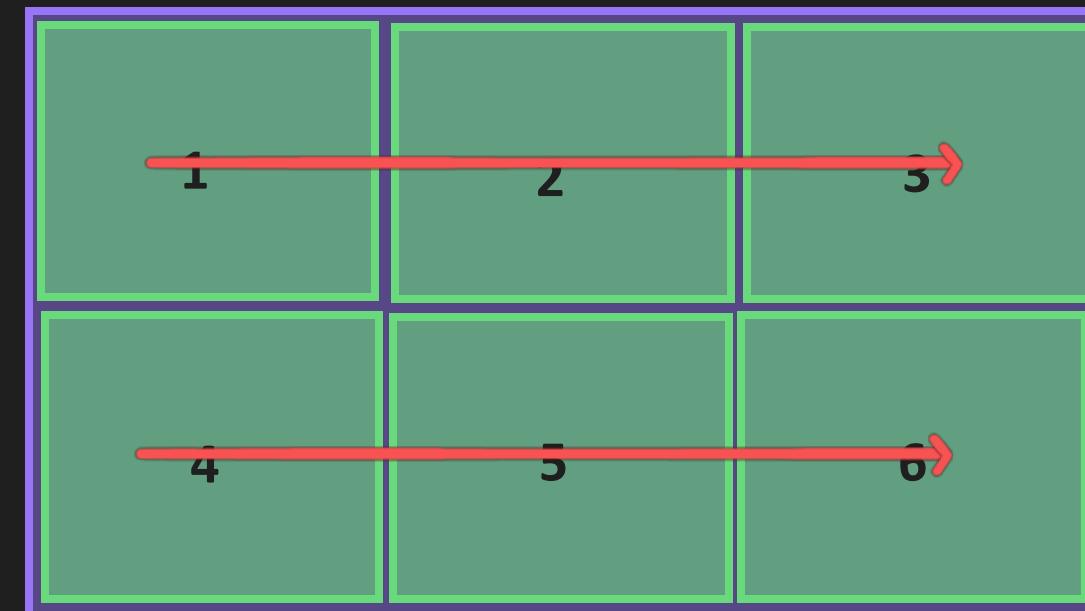
GRID ITEMS ARE AUTOMATICALLY PLACED IN A GRID BASED ON THE ORDER THEY APPEAR IN THE HTML

HTML ORDER

```
<div class="grid-container">  
  <div class="grid-item-1">1</div>  
  <div class="grid-item-2">2</div>  
  <div class="grid-item-3">3</div>  
  <div class="grid-item-4">4</div>  
  <div class="grid-item-5">5</div>  
  <div class="grid-item-6">6</div>  
</div>
```

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

FILLS UP LEFT TO RIGHT, ROW BY ROW



# PLACING GRID ITEMS

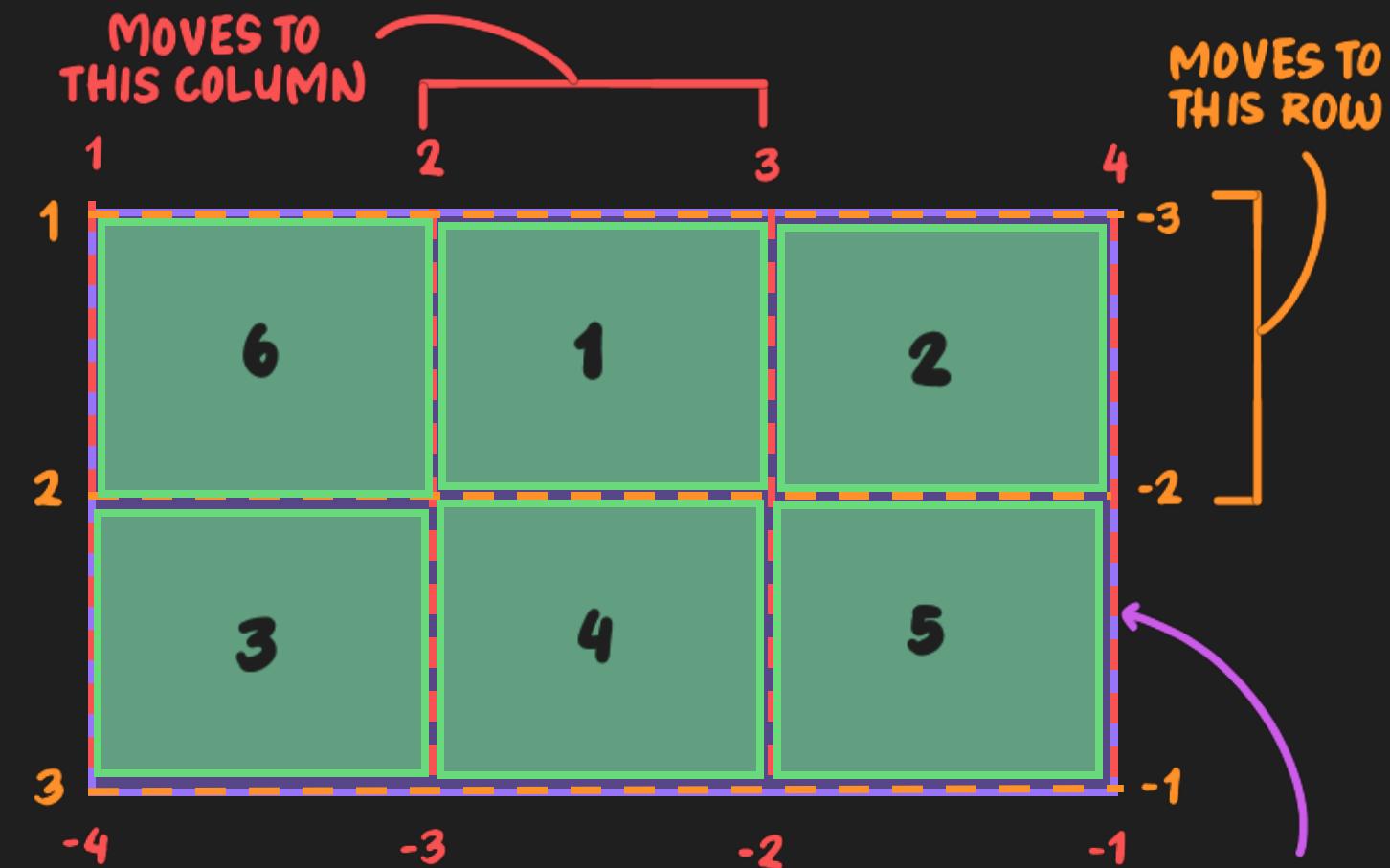
GRID ITEMS CAN BE MOVED TO DIFFERENT CELLS

GRID ITEM 6

START LINE ↗ END LINE ↘  
grid-row: 1 / 2;

START LINE ↗ END LINE ↘  
grid-column: 2 / 3;

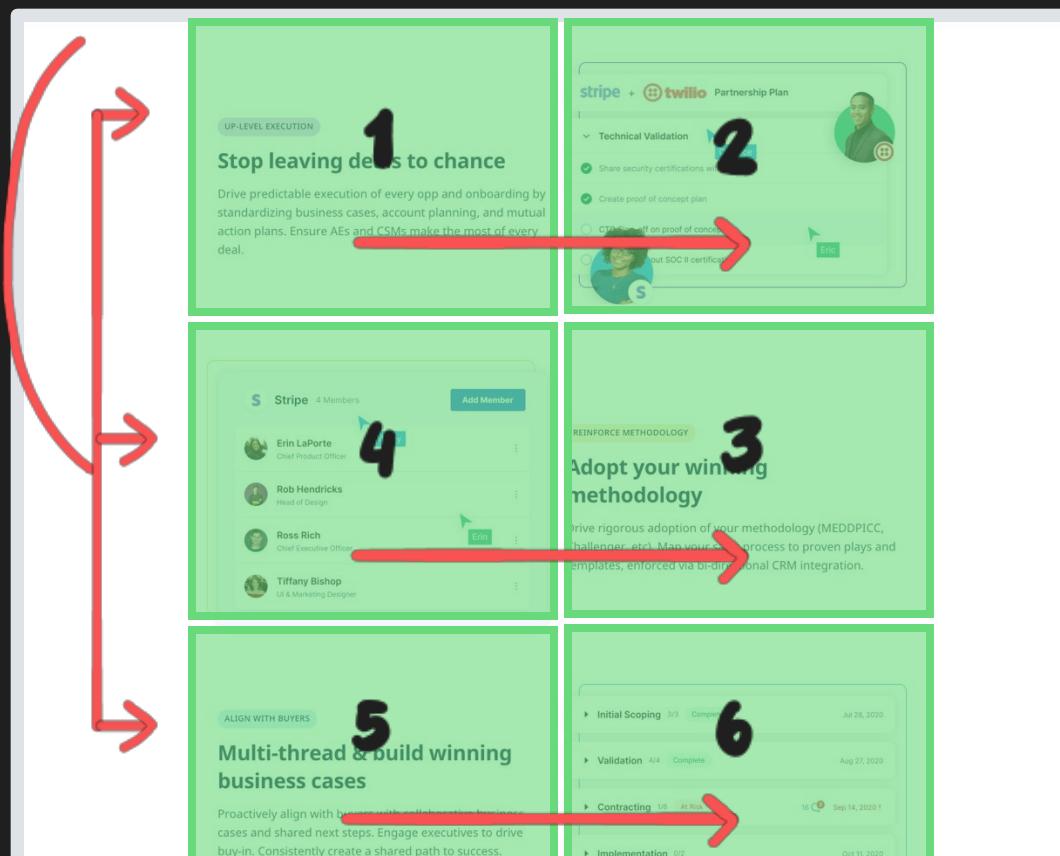
SET ON GRID ITEM ↗



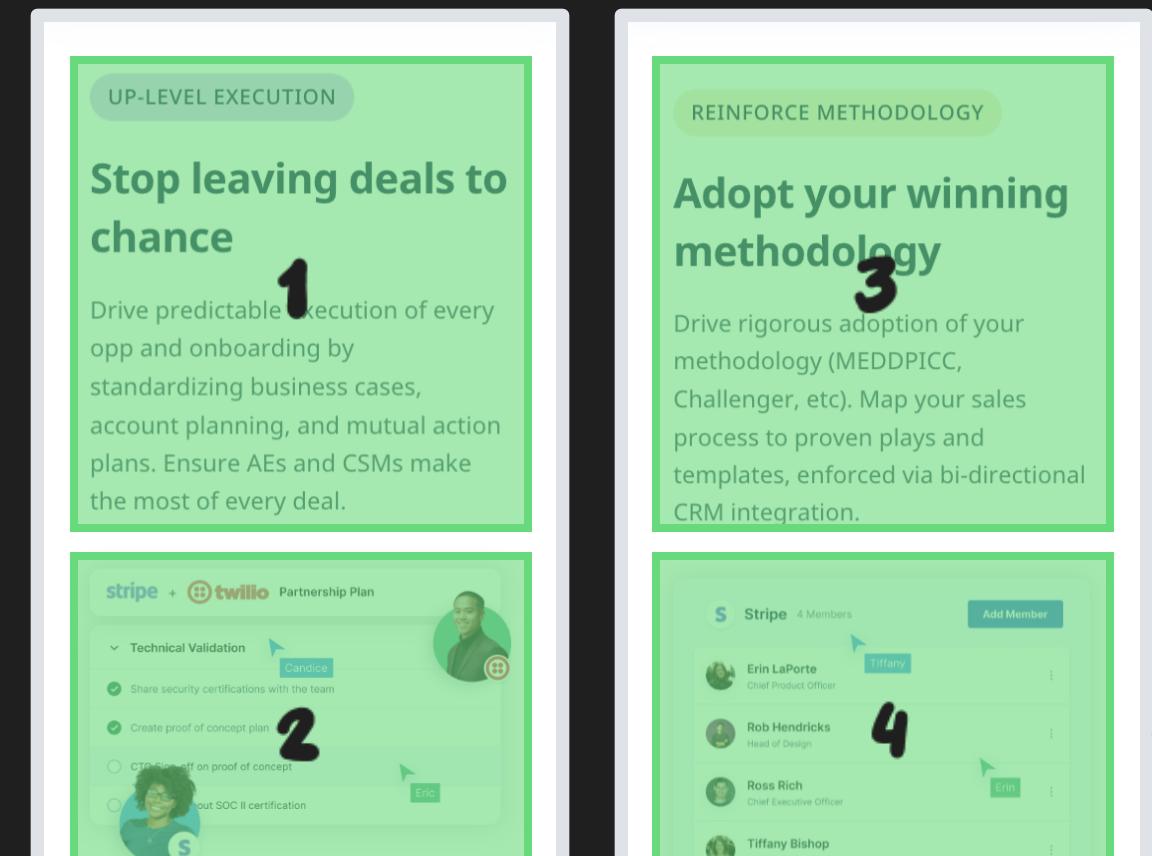
# PLACING GRID ITEMS GUIDANCE

PLACING GRID ITEMS IS USED TO ACHIEVE SPECIFIC LAYOUTS

ALTERNATING TEXT & IMAGE IN EACH ROW



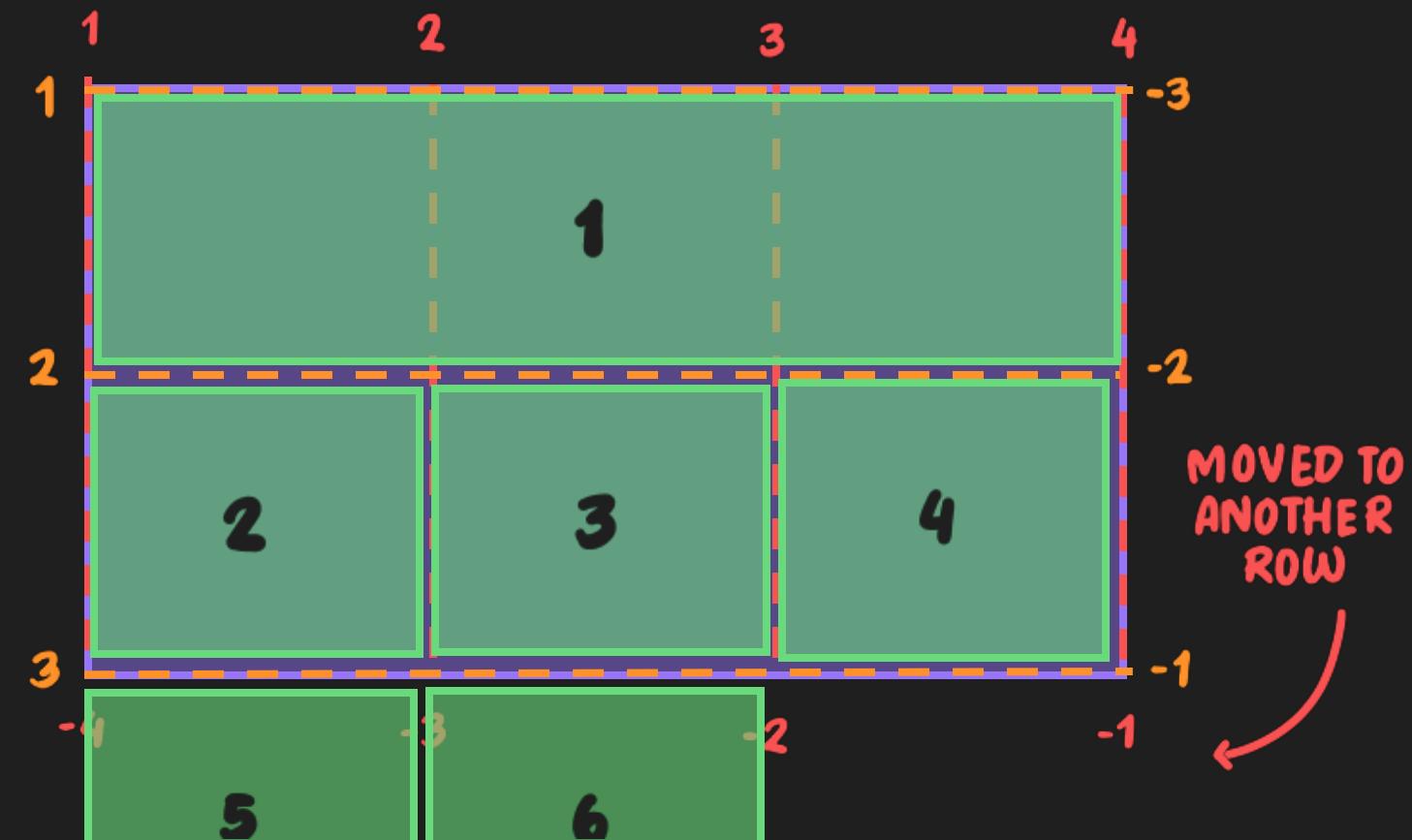
GRID ITEMS NEED TO CHANGE POSITION ON MOBILE



# SPANNING GRID CELLS

GRID-ROW AND GRID-COLUMN CAN BE USED TO HAVE GRID ITEMS SPAN MULTIPLE ROWS OR COLUMNS

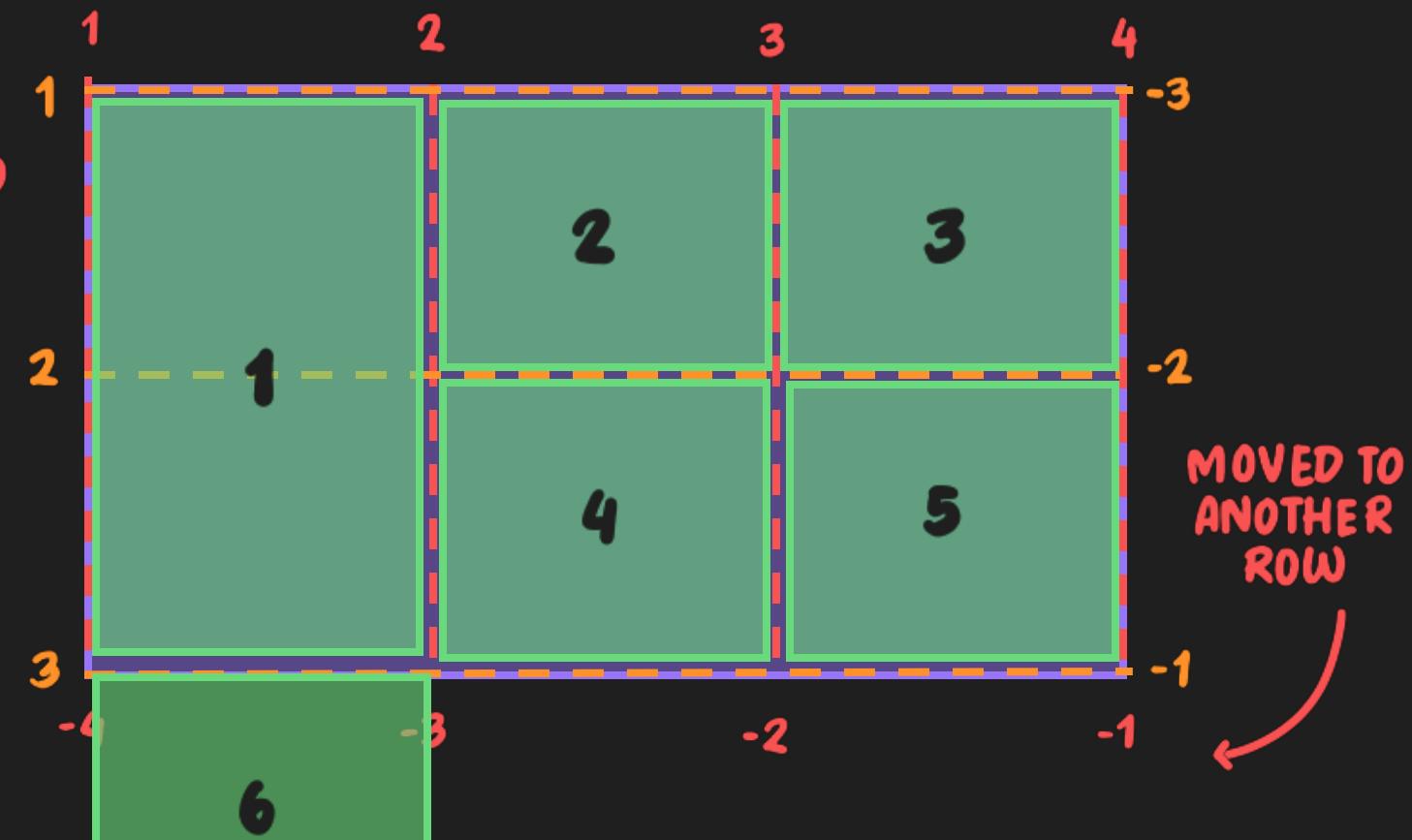
GRID ITEM 1  
START LINE ↗ END LINE  
grid-column: 1 / 4;



# SPANNING GRID CELLS

GRID-ROW AND GRID-COLUMN CAN BE USED TO HAVE GRID ITEMS SPAN MULTIPLE ROWS OR COLUMNS

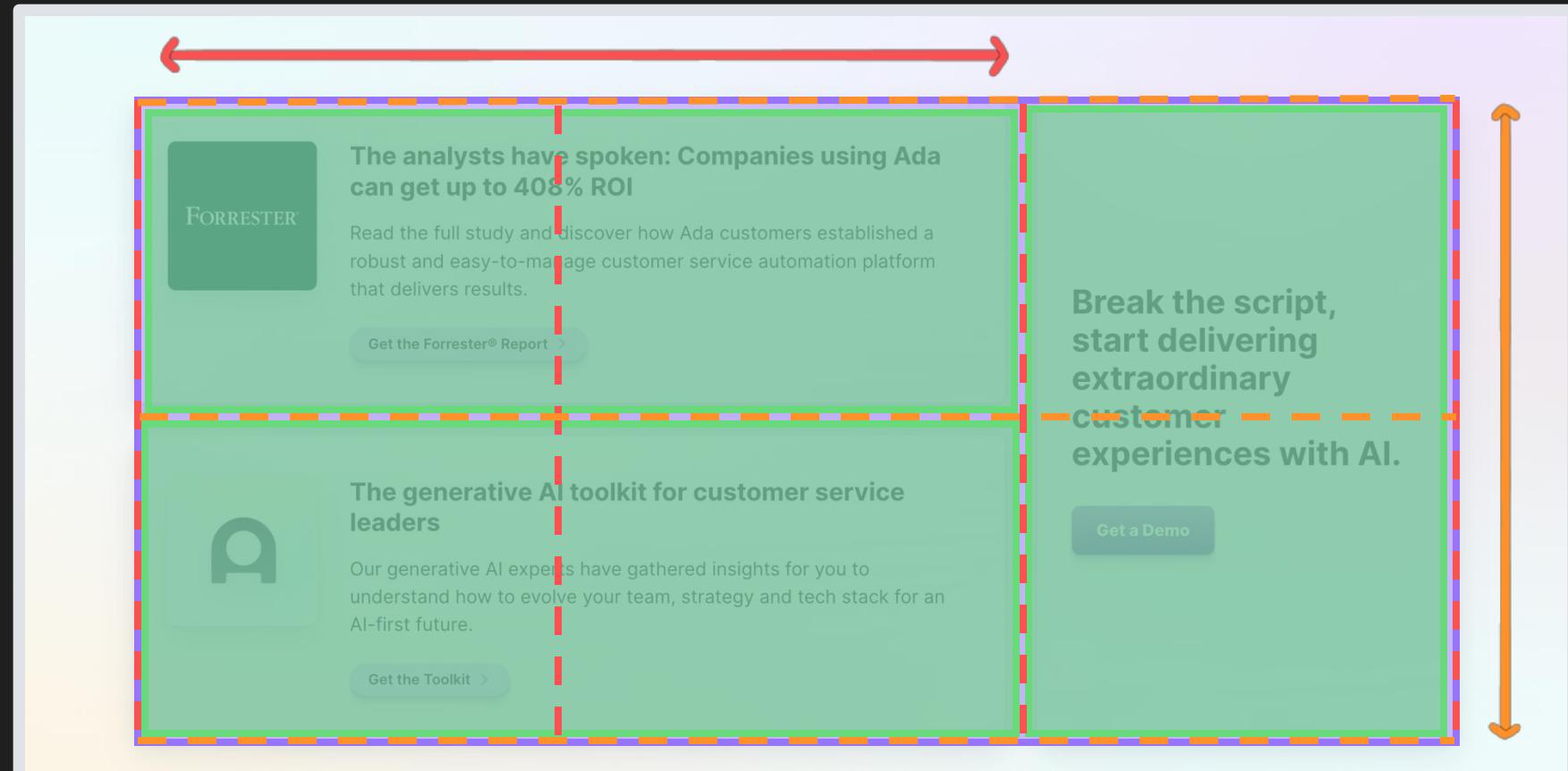
GRID ITEM 1  
START LINE ↗  
grid-row: 1 / span 2;



# SPANNING GRID CELLS GUIDANCE

GRID CELLS CAN BE SPANNED TO CREATE VISUALLY INTERESTING DESIGNS

SPANS 2 COLUMNS



SPANS  
2 ROWS

# ALIGNING GRID ITEMS

GRID CELL ALIGNMENT CAN BE OVERRIDDEN FOR INDIVIDUAL ITEMS

NOT TOO COMMON

## GRID CONTAINER

```
justify-items: center;  
align-items: center;
```

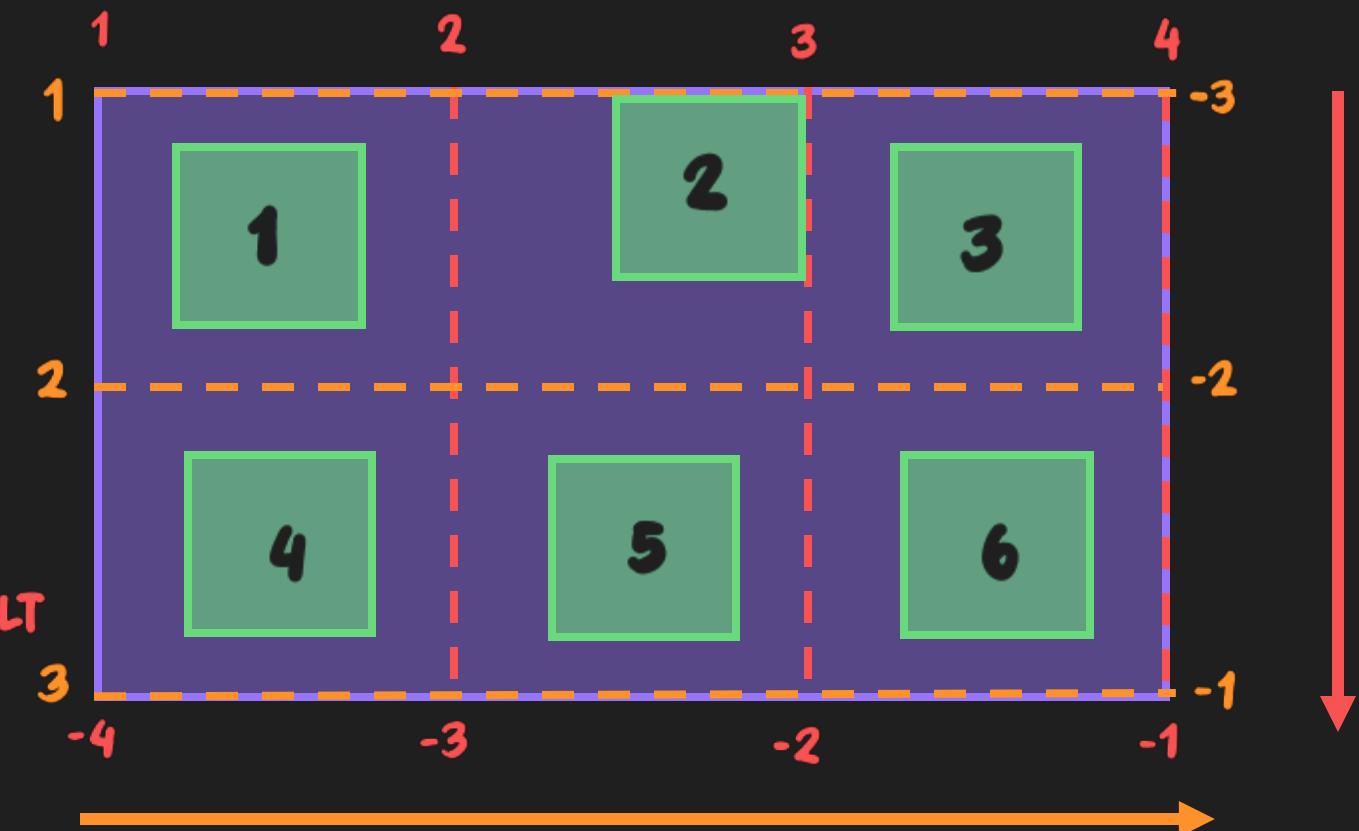
ROW  
AXIS

## GRID ITEM 2

```
justify-self: end;  
align-self: start;
```

COLUMN  
AXIS

VALUES





# QUILL HOMEPAGE

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