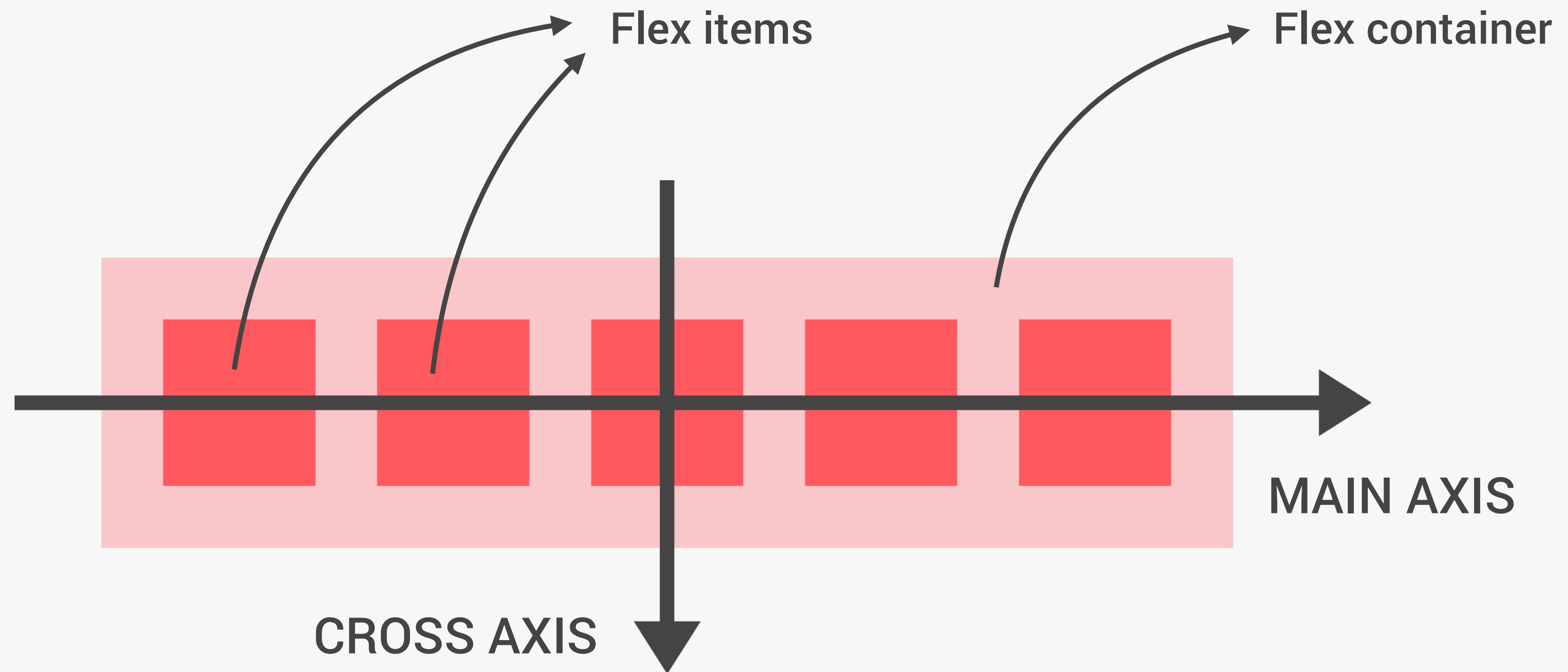# A TRUE REVOLUTION

FLEXBOX

- Flexbox is a new module in CSS3 that makes it easy to align elements to one another, in different directions and orders;

- The main idea behind flexbox is to give the container the ability to expand and to shrink elements to best use all the available space;

- Flexbox replaces float layouts, using less, and more readable and logical code;

- Flexbox completely changes the way that we build one-dimensional layouts;
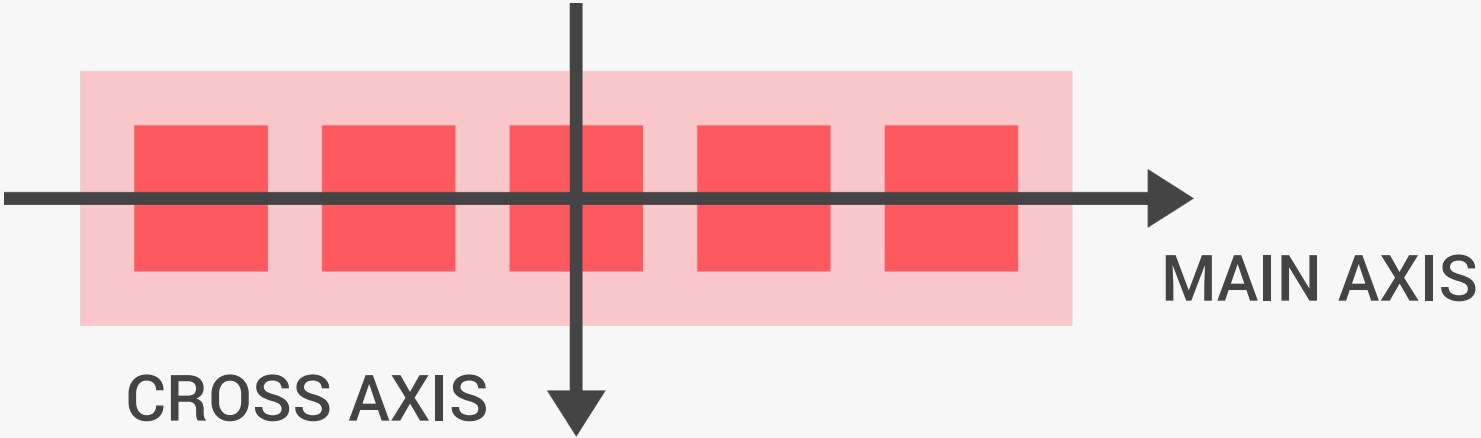
- A true revolution in CSS!

MAIN FLEXBOX CONCEPTS

Flex items

Flex container

MAIN AXIS

CROSS AXIS

```
display: flex
(display: flex-inline)
```

FLEXBOX PROPERTIES OVERVIEW

MAIN AXIS

CROSS AXIS

CONTAINER

1 **flex-direction: row** | row-reverse | column | column-reverse

2 **flex-wrap: nowrap** | wrap | wrap-reverse

3 **justify-content: flex-start** | flex-end | center | space-between | space-around | space-evenly

4 **align-items: stretch** | flex-start | flex-end | center | baseline

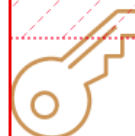**5** **align-content: stretch** | flex-start | flex-end | center | space-between | space-around

ITEM

1 **align-self: auto** | stretch | flex-start | flex-end | center | baseline

2 **order: 0** | <integer>

3 **flex-grow: 0** | <integer>

4 **flex-shrink: 1** | <integer>

5 **flex-basis: auto** | <length>

flex: 0 1 auto | <int> <int> <len>

A WHOLE NEW MINDSET

CSS GRID

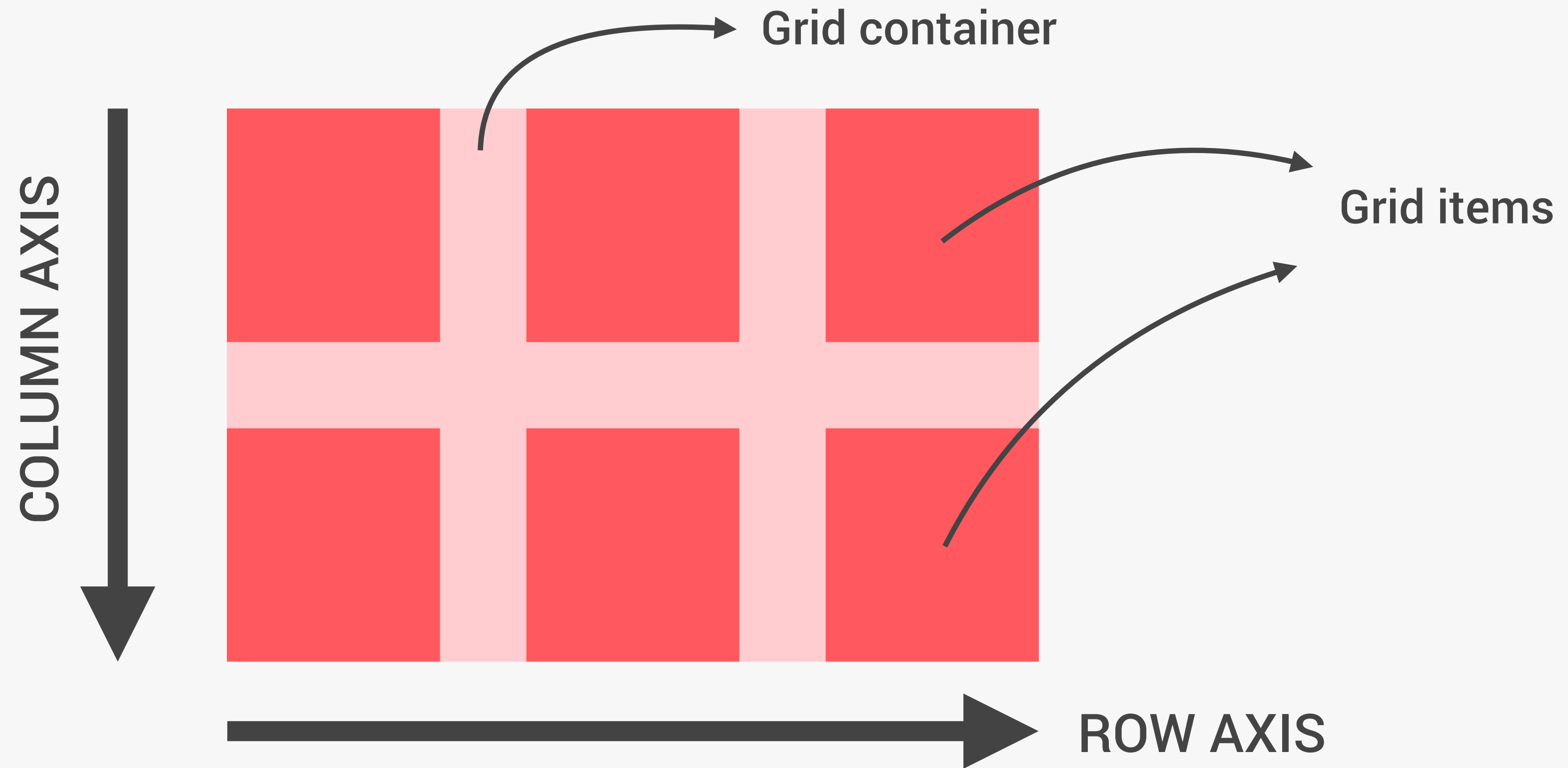- CSS Grid Layout is a brand new module that brings a two-dimensional grid system to CSS for the first time;

- CSS Grid replaces float layouts, using less, and more readable and logical CSS and HTML;

- CSS Grid works perfectly together with Flexbox, which is best to handle one-dimensional components and layouts;

- CSS Grid completely changes the way that we envision and build two-dimensional layouts.

A WHOLE NEW MINDSET

World's best luxury homes

Lorem, ipsum dolor sit amet consectetur adipisicing elit. Tenetur distinctio necessitatibus pariatur voluptatibus.

Only the best properties

Voluptatum mollitia quae. Vero ipsum sapiente molestias accusamus rerum sed a eligendi aut quia.

All homes in top locations

Tenetur distinctio necessitatibus pariatur voluptatibus quidem consequatur harum.

New home in one week

Vero ipsum sapiente molestias accusamus rerum. Lorem, ipsum dolor sit amet consectetur adipisicing elit.

Top 1% realtors

Quidem consequatur harum, voluptatum mollitia quae. Tenetur distinctio necessitatibus pariatur voluptatibus.

Secure payments on XXX

Pariatur voluptatibus quidem consequatur harum, voluptatum mollitia quae.

CSS GRID TERMINOLOGY
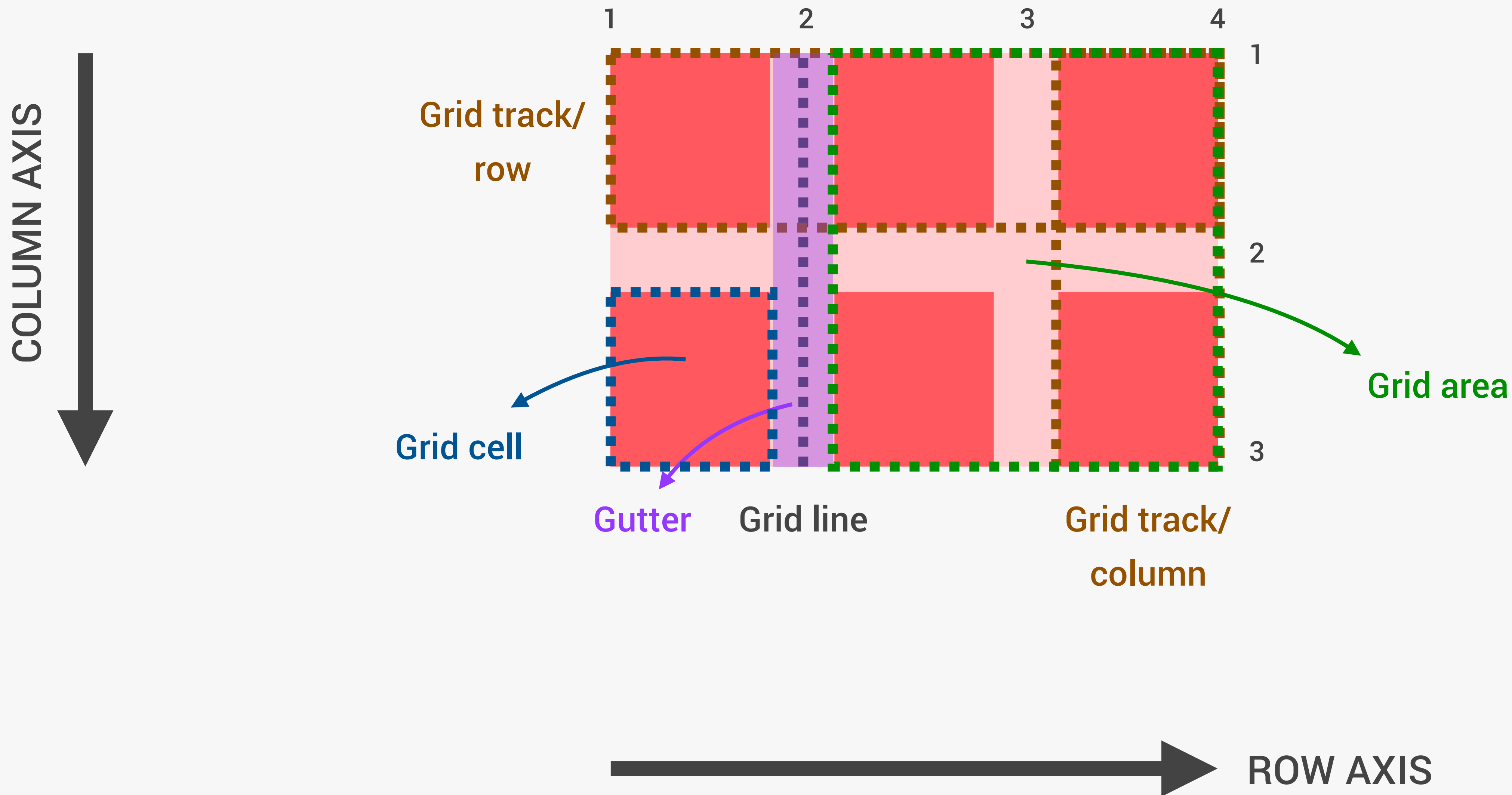

Grid container

Grid items

COLUMN AXIS

ROW AXIS

display: grid

(display: grid-inline)

CSS GRID TERMINOLOGY

COLUMN AXIS

1   2   3   4

1

Grid track/ row

2

Grid cell

Gutter   Grid line

3

Grid track/ column

Grid area

ROW AXIS

CSS GRID PROPERTIES OVERVIEW

CONTAINER

1
grid-template-rows
grid-template-columns ⎫ grid-template
grid-template-areas

2
grid-row-gap ⎫ grid-gap
grid-column-gap

3
justify-items
align-items
justify-content
align-content

4
grid-auto-rows
grid-auto-columns
grid-auto-flow

ITEM

1
grid-row-start ⎫ grid-row
grid-row-end
grid-column-start ⎫ grid-column grid-area
grid-column-end

2
justify-self
align-self

3
order

Grid track/ row

Grid cell

Gutter   Grid line   Grid track/ column

Grid area