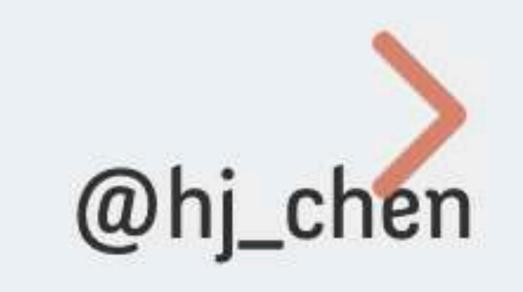
A deep dive into Flexbox and Grid

By Chen Hui Jing / @hj_chen







Screens, screens, screens

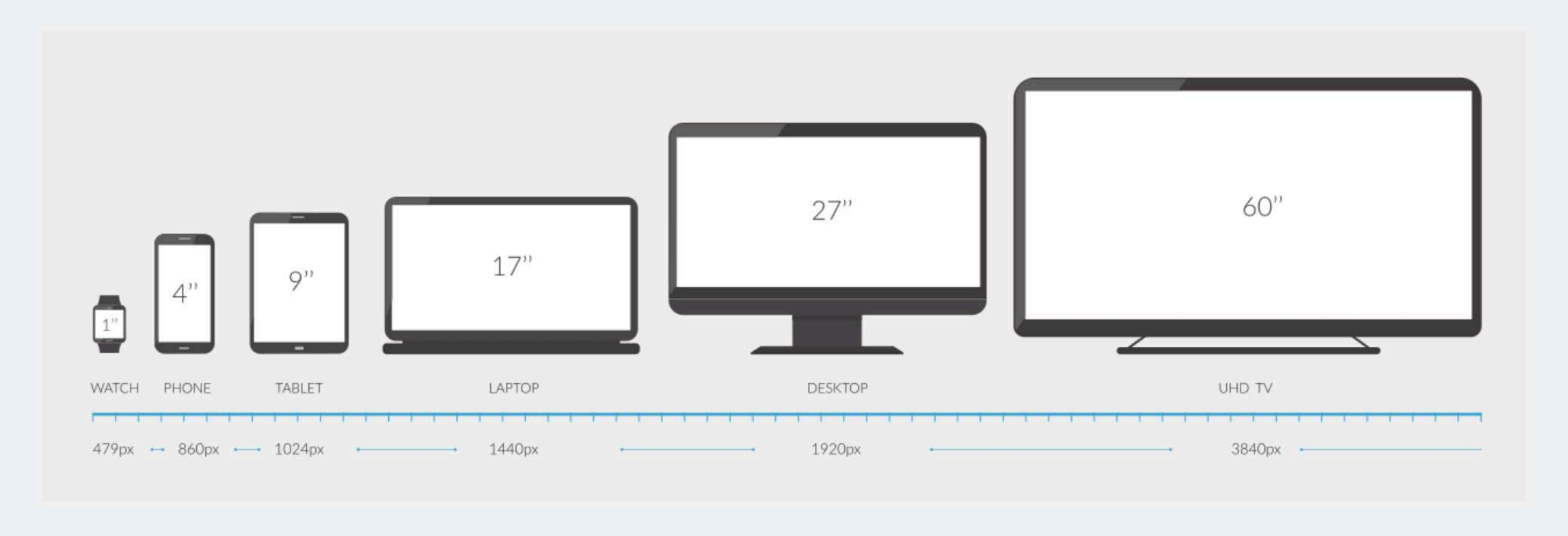


Image source: Inch Calculator



Layout technique: float

Item C Item B Item A

```
.float__item {
 float: left;
 width: calc(100% / 3);
```

Layout technique: inline-block

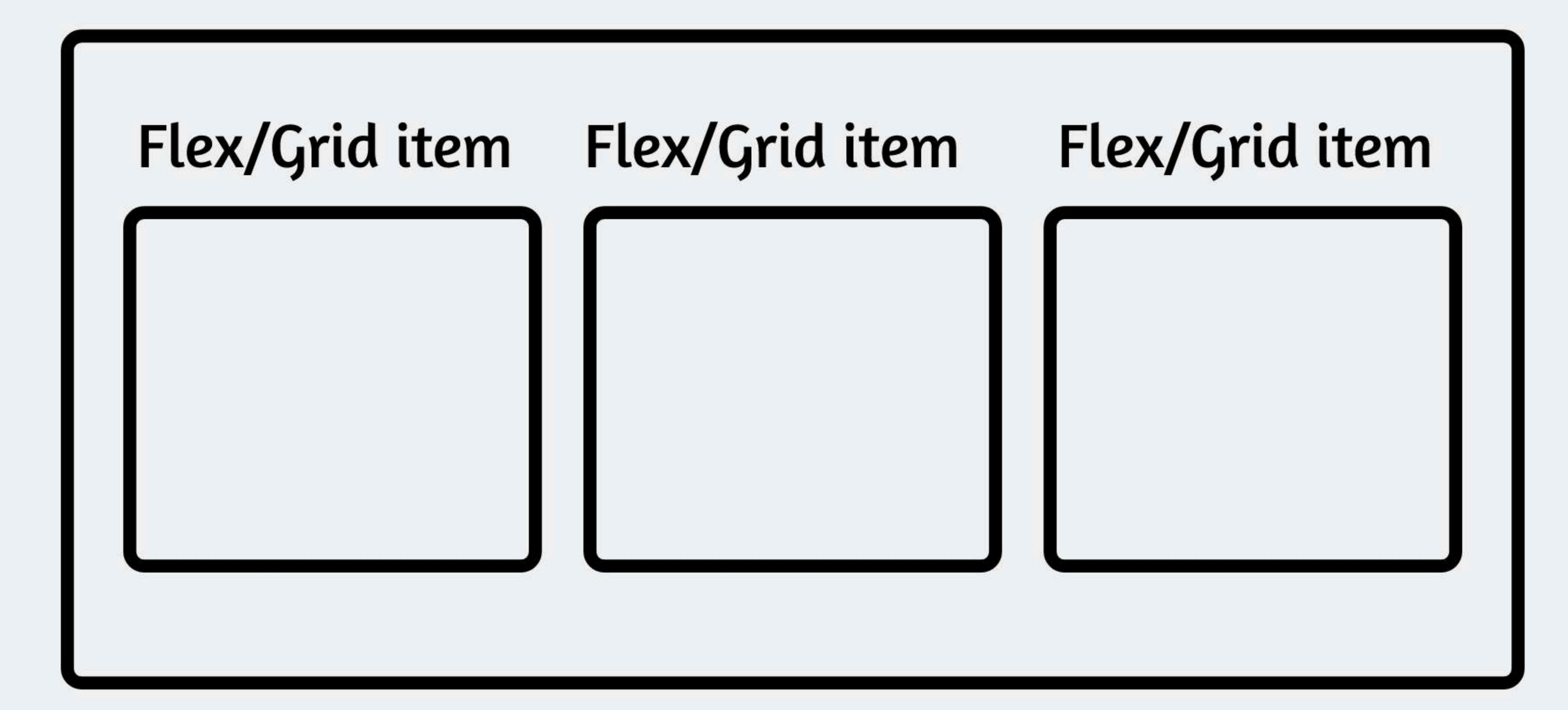
Item C Item B Item A

```
.inlineblock__item {
 display: inline-block;
 width: calc(100% / 3);
```



The parent-child relationship

Flex/Grid container



Layout technique: flex

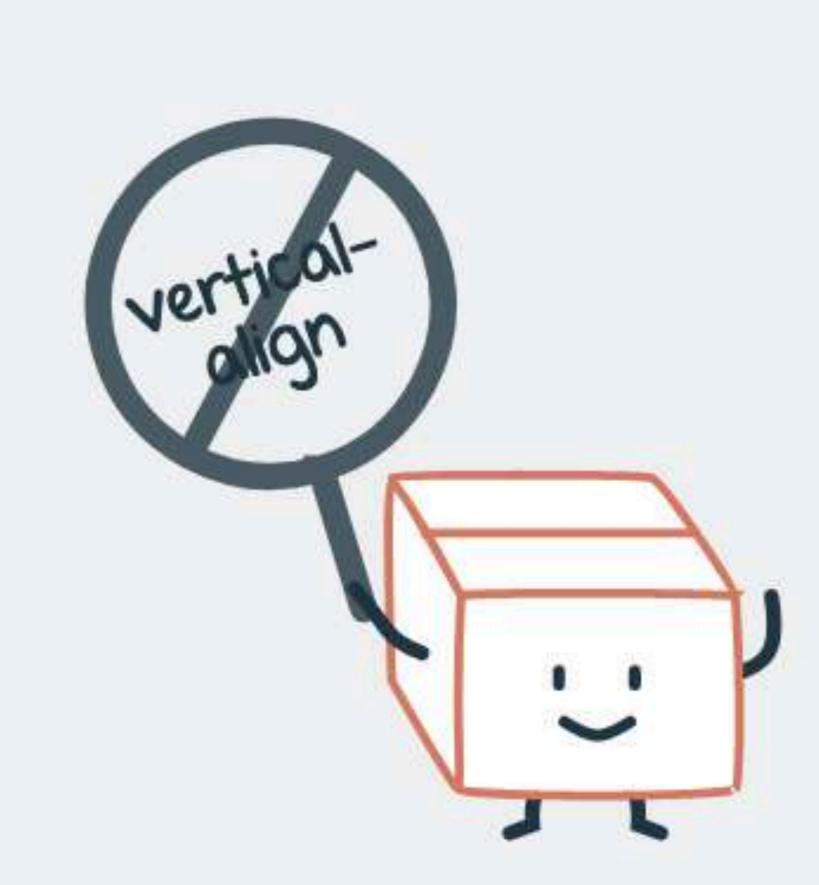
A flex	Another	Flex items are also	
	flex item		All direct children of the flex container become flex children

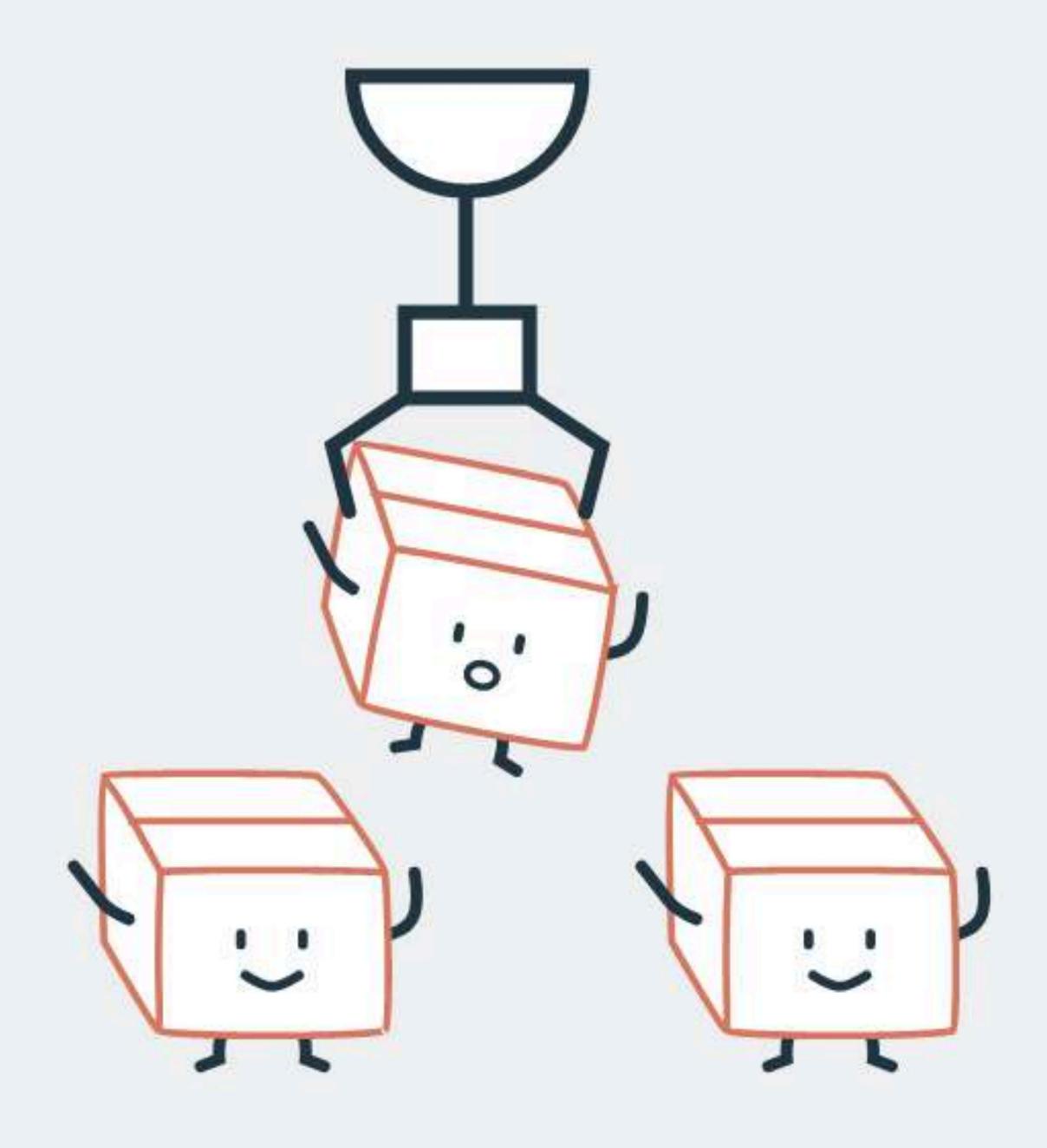
```
.flexbox {
  display: flex;
```

Flex formatting context



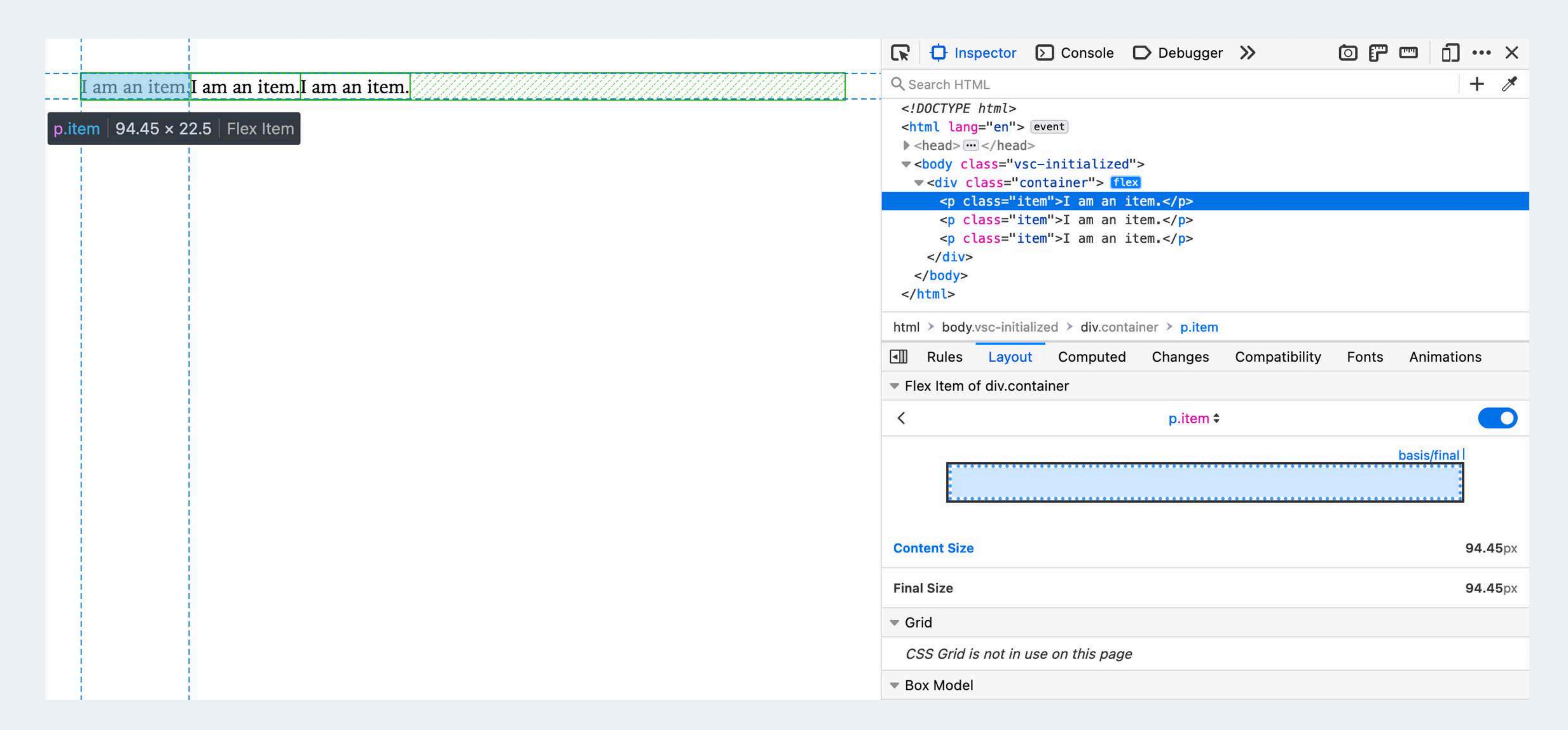




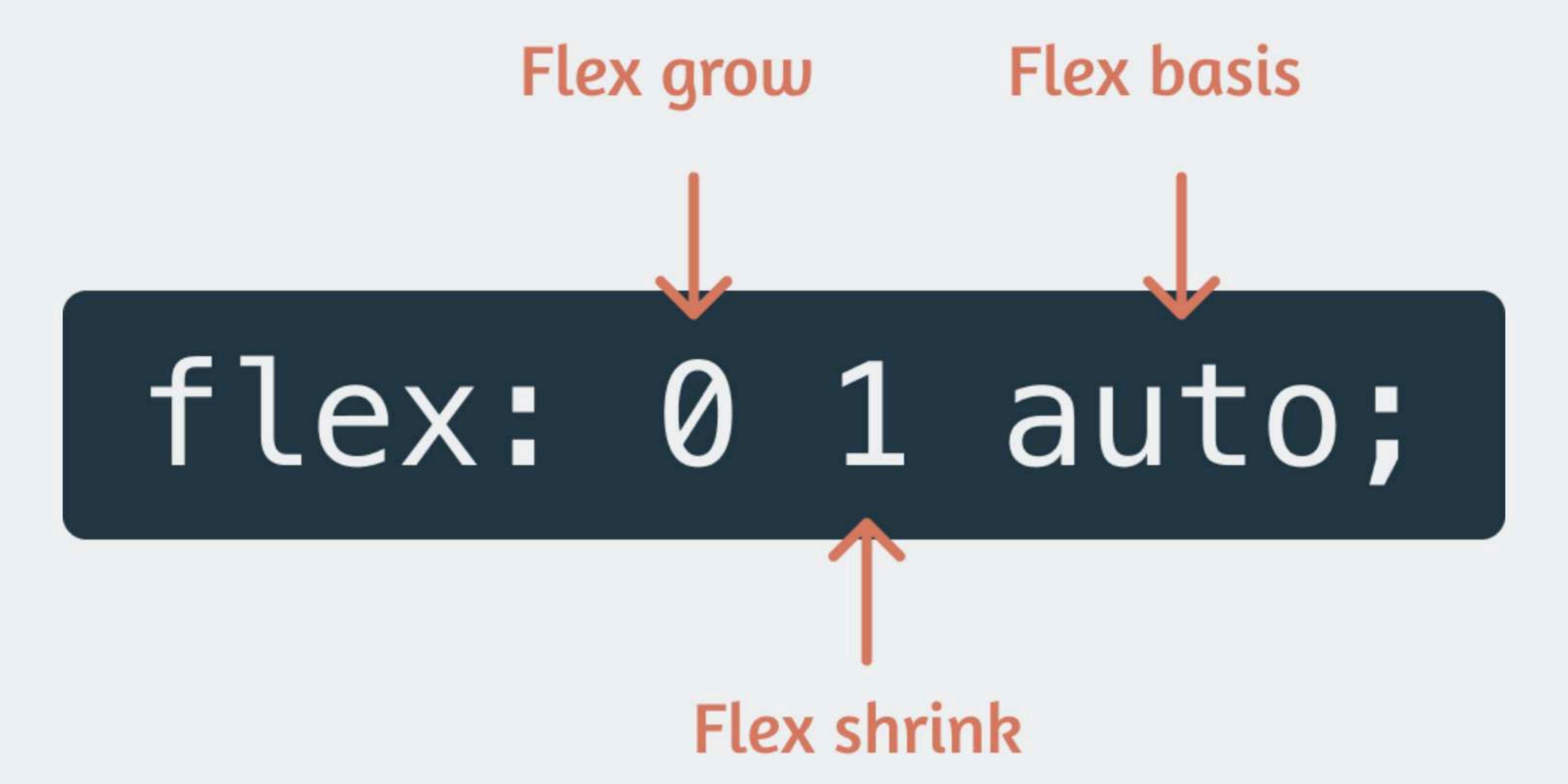




Flexbox devtools



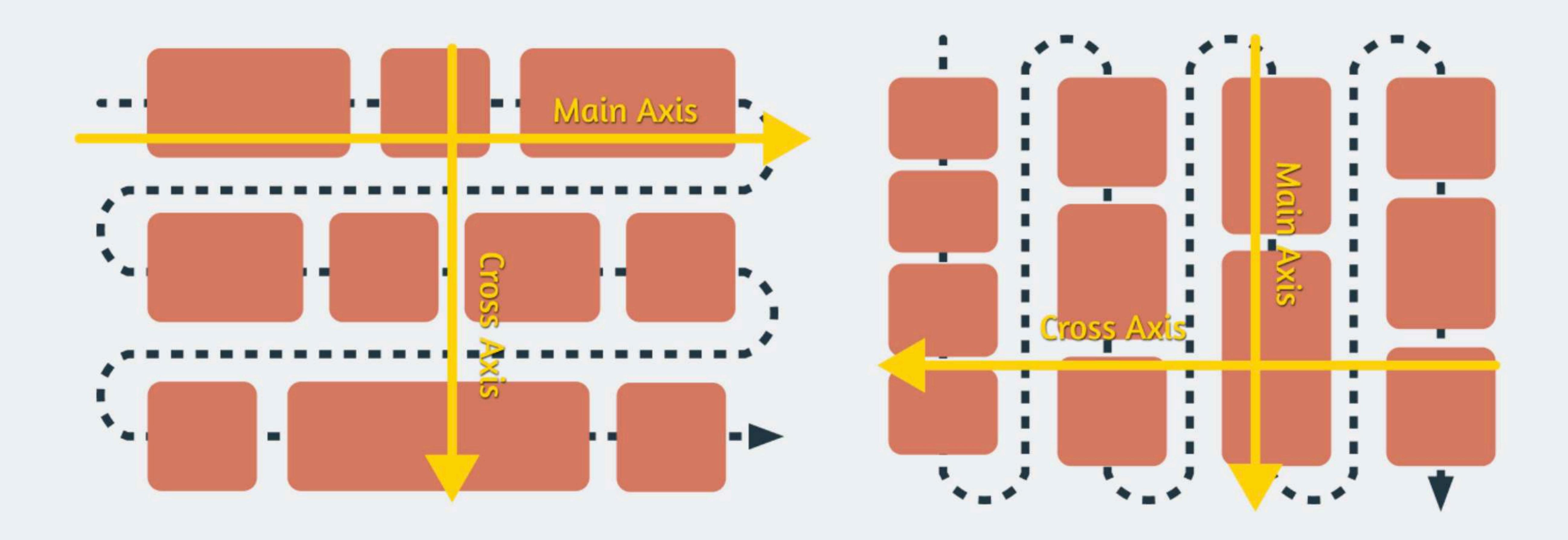
The flex property



Sizing in flexbox

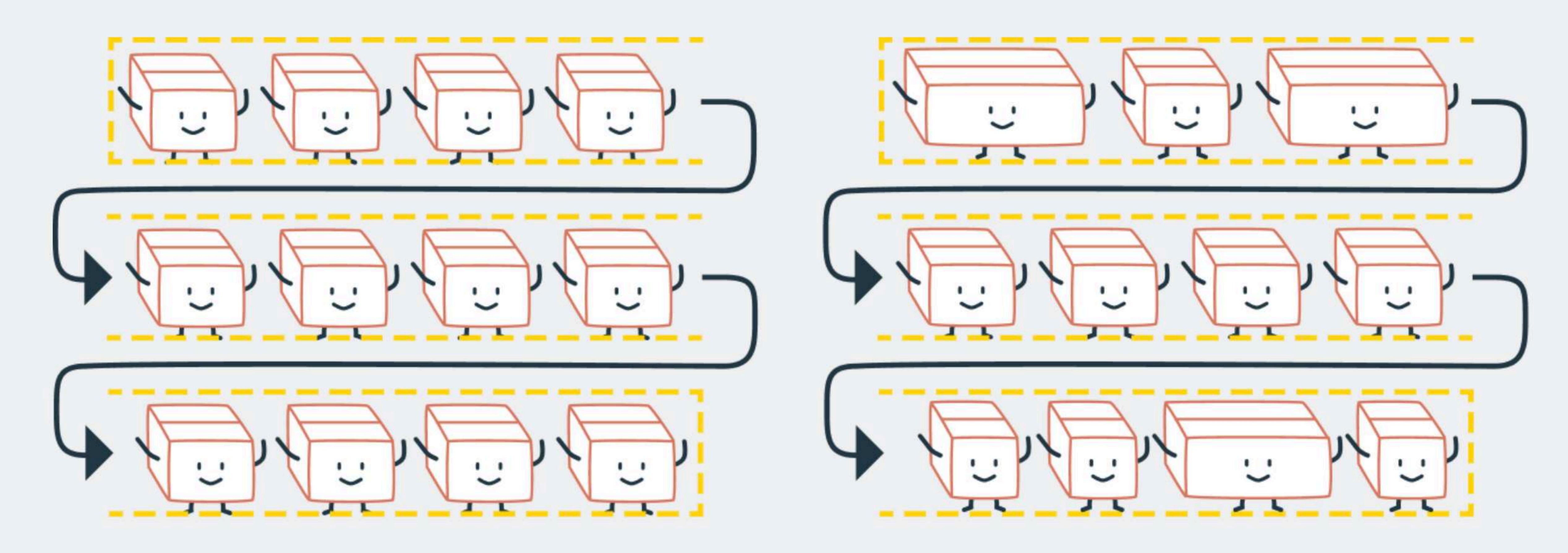


Flex directions



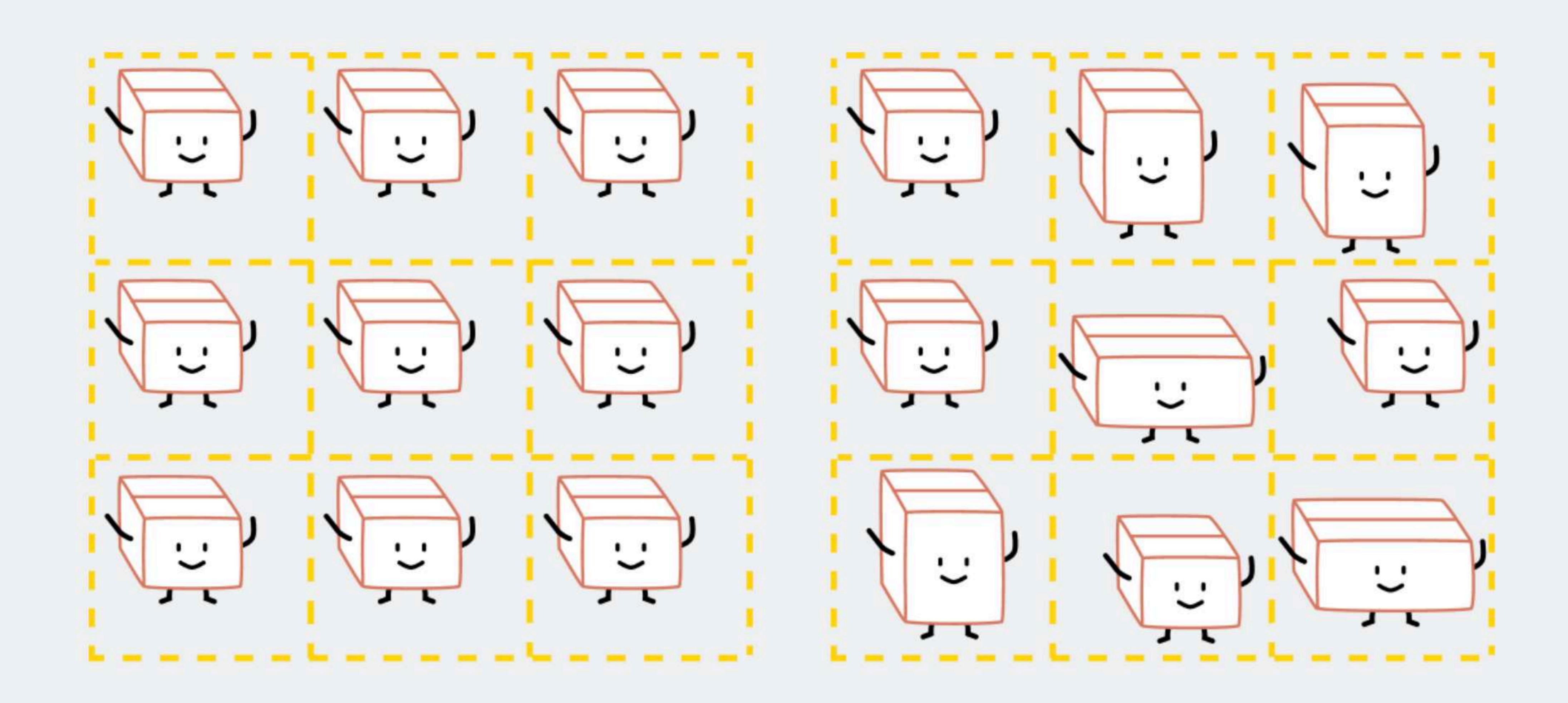


No actual grid





Real two-dimensional awareness





Layout technique: grid

Item A	Item B	Item C
Item D	Item E	Item F

```
.grid {
   display: grid;
   grid-template-columns: 1fr
1fr 1fr;
   grid-template-rows: 200px
200px;
}
```

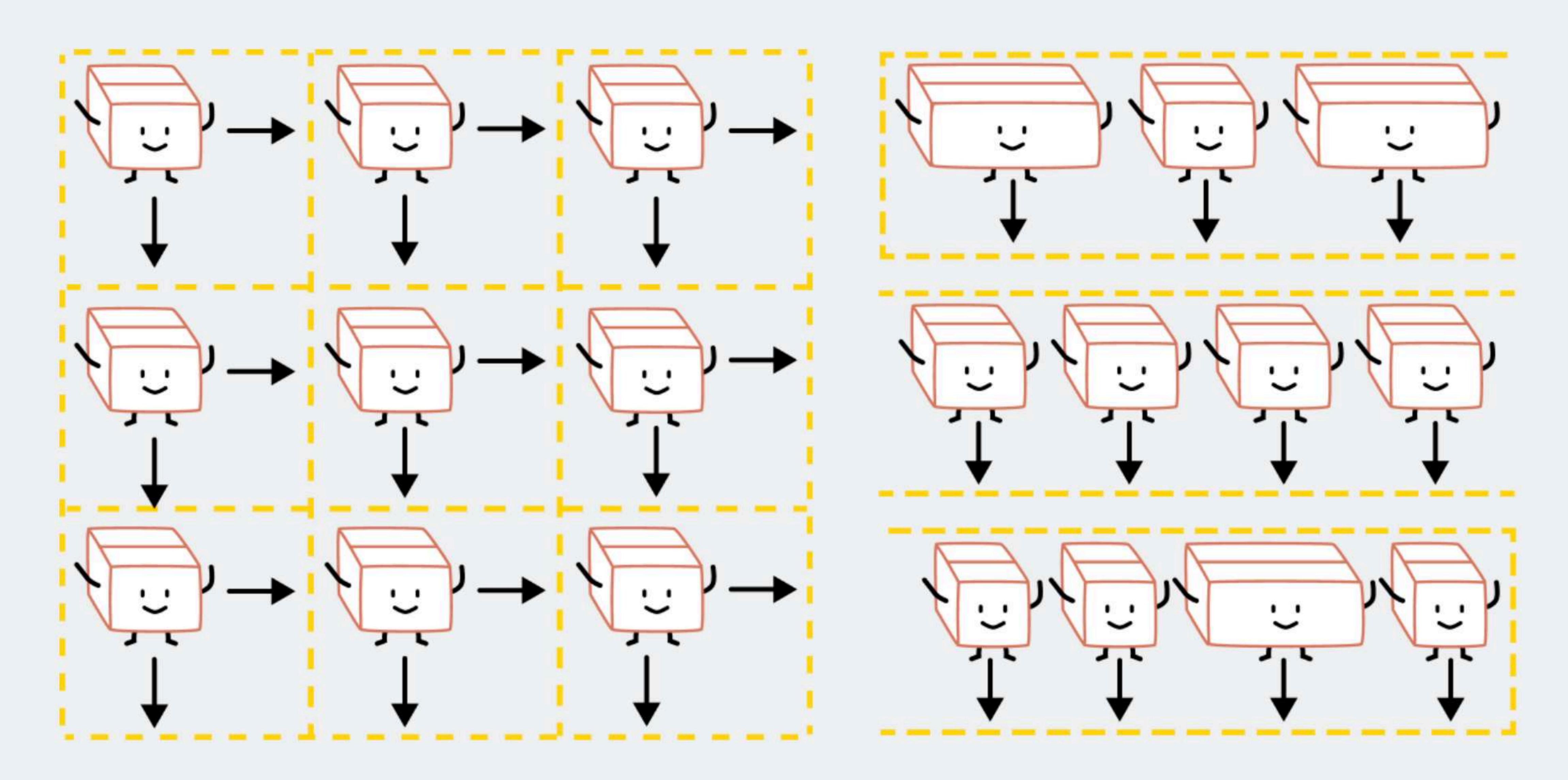


A better way of building grids



The magic sauce

No, just kidding. It's just that alignment really ties it all together.



Box alignment properties

Property	Axis	Aligns		Applies to
justify-content	main/inline	content within element (effectively adjusts padding)		block containers, flex
align-content	cross/block			containers and grid containers
justify-items	inline	items inside box (controls child items)		block containers and grid containers
align-items	cross/block			flex-containers and grid- containers
justify-self	inline	element within parent (effectively adjusts margins)		block-level boxes, absolutely- positioned boxes and grid items
align-self	cross/block			absolutely-positioned boxes, flex items and grid items



Can we put it all together?



Thank you!

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 - (3) (3) (b) (b) (c)

Font is Fengardo Neue by Loïc Sander.

