

Labo 11 – Verslag CSS | Grid

Opleidingsonderdeel: **Web Development 1**

Bachelor in de: **Toegepaste informatica**

Afstudeerrichting: **Applicatieontwikkeling**

Specialisatie: **Cybersecurity & infrastructure**

Leerling: **Jari Opsomer**

Docent: **Pim Debaere**

Academiejaar: **2025-2026**

2.1 Opdracht 1

CSS-code:

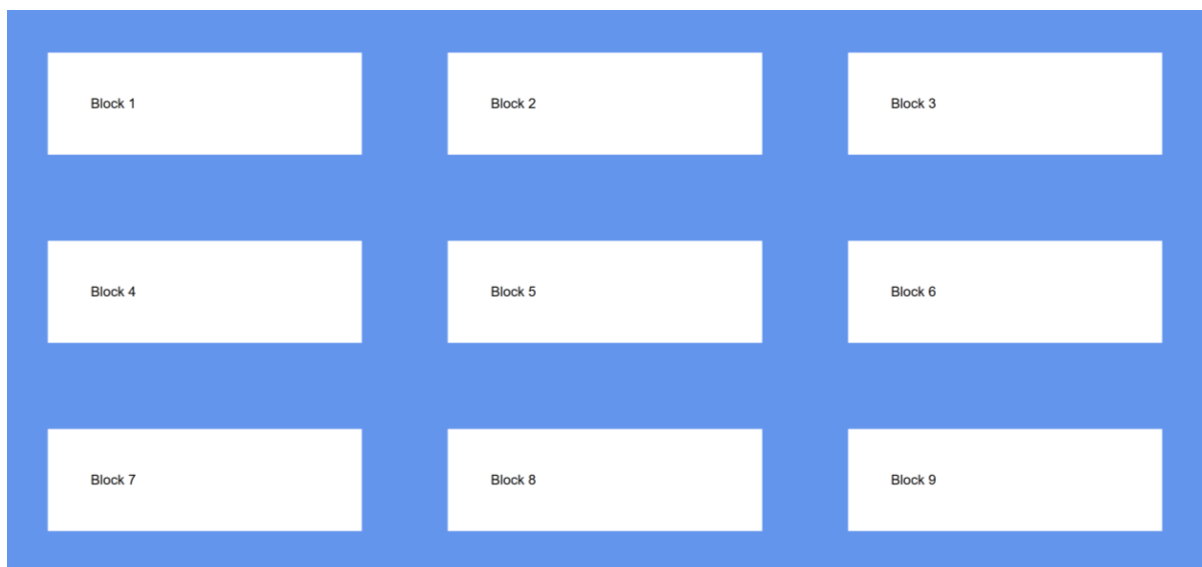
```
.container{
  background-color: cornflowerblue;

  display: grid;
  grid-template-columns: 1fr 1fr 1fr;

  /*NIET: grid-template-rows: 1fr 1fr 1fr;*/
}

.container .block{
  margin:50px;
  padding:50px;
  background-color: white;
}
```

Resultaat:



2.2 Opdracht 2

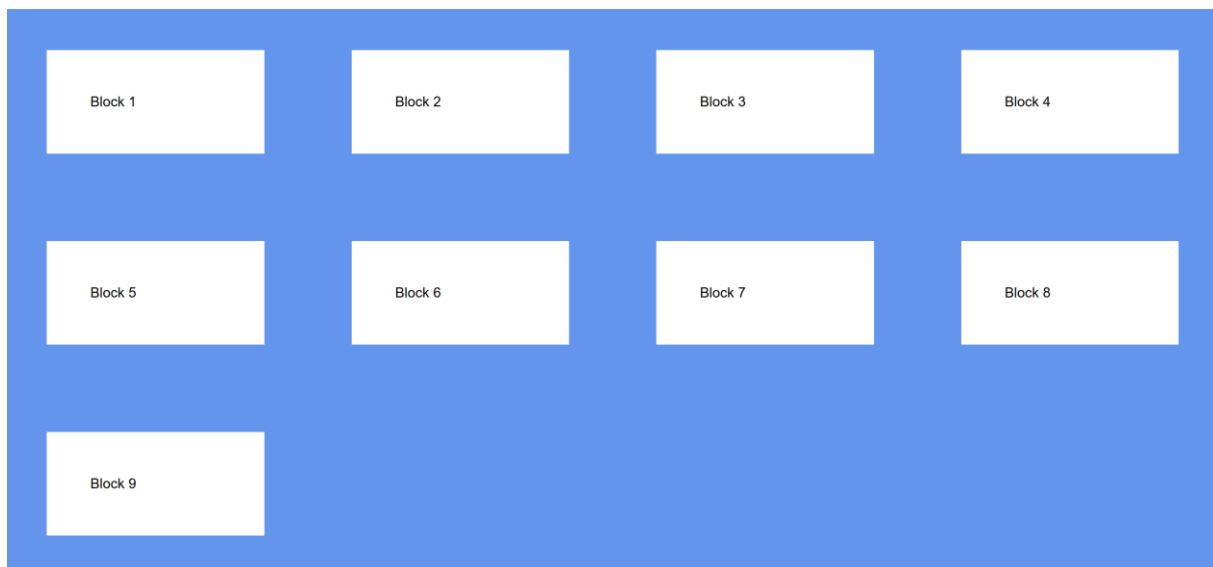
CSS-code:

```
.container{
  background-color: cornflowerblue;

  display: grid;
  grid-template-columns: 1fr 1fr 1fr 1fr;
  grid-template-rows: 1fr 1fr 1fr;
}

.container .block{
  margin:50px;
  padding:50px;
  background-color: white;
}
```

Resultaat:



2.3 Opdracht 3

CSS-code:

```
.container{
  background-color: cornflowerblue;

  display: grid;
  grid-template-columns: 1fr 1fr 1fr 1fr 1fr;
  grid-template-rows: 1fr 1fr 1fr 1fr 1fr;
}

.container .block{
  margin:20px;
  padding:20px;
  background-color: white;
}

.block.block1 {
  grid-column-start: 1;
  grid-row-start: 1;
}

.block.block2 {
  grid-column-start: 5;
  grid-row-start: 5;
}

.block.block3 {
  grid-column-start: 1;
  grid-row-start: 5;
}

.block.block4 {
  grid-column-start: 5;
  grid-row-start: 1;
}

.block.block5 {
  grid-column-start: 3;
  grid-row-start: 3;
}

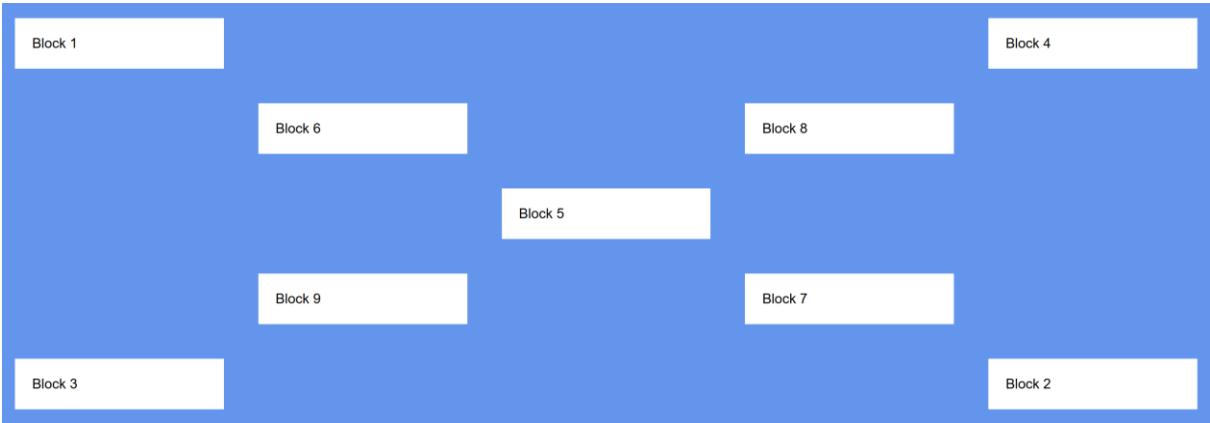
.block.block6 {
  grid-column-start: 2;
  grid-row-start: 2;
}

.block.block7 {
  grid-column-start: 4;
  grid-row-start: 4;
}

.block.block8 {
  grid-column-start: 4;
  grid-row-start: 2;
}

.block.block9 {
  grid-column-start: 2;
  grid-row-start: 4;
}
```

Resultaat:



2.4 Opdracht 4

CSS-code:

```
/* mobile first */

.container{
  background-color: cornflowerblue;

  display: grid;
  grid-template-columns:repeat(3, 1fr);
  grid-template-rows:repeat(3, 1fr);
}

.container .block {
  margin: 20px;
  padding: 20px;
  background-color: white;
}

/* desktop, met overerving van mobile first
(bv. bg.-color & display, ...) */

@media screen and (min-width: 700px) {
  .container{
    grid-template-columns:repeat(5, 1fr);
    grid-template-rows:repeat(5, 1fr);
  }

  .block.block1 {
    grid-column-start: 1;
    grid-row-start: 1;
  }

  .block.block2 {
    grid-column-start: 5;
    grid-row-start: 5;
  }

  .block.block3 {
    grid-column-start: 1;
    grid-row-start: 5;
  }

  .block.block4 {
    grid-column-start: 5;
    grid-row-start: 1;
  }
}
```

```
.block.block5 {
  grid-column-start: 3;
  grid-row-start: 3;
}

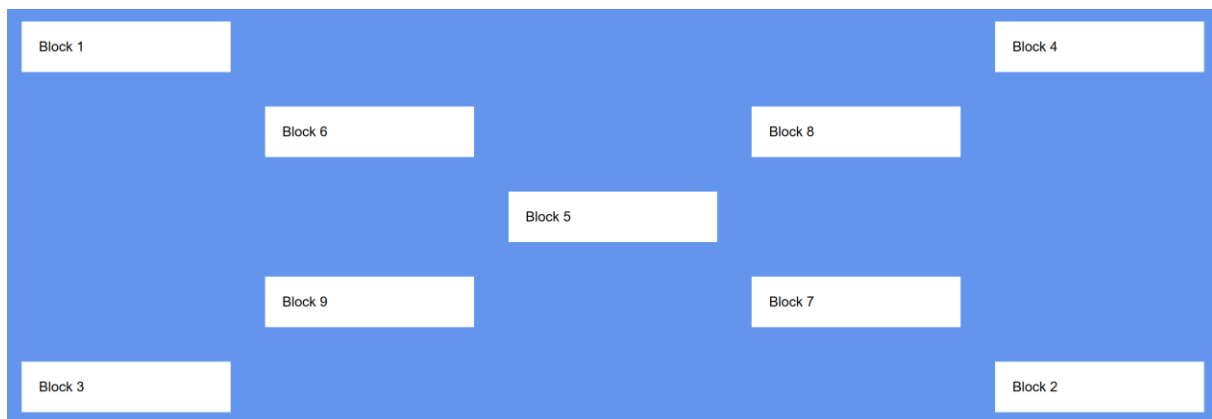
.block.block6 {
  grid-column-start: 2;
  grid-row-start: 2;
}

.block.block7 {
  grid-column-start: 4;
  grid-row-start: 4;
}

.block.block8 {
  grid-column-start: 4;
  grid-row-start: 2;
}

.block.block9 {
  grid-column-start: 2;
  grid-row-start: 4;
}
}
```

Resultaat:



2.5 Opdracht 5

CSS-code:

```
.container {
  display: grid;
  grid-template-columns: repeat(3, auto);
  gap: 10px;
}

.container .block {
  padding: 20px;
  background-color: white;
  font-size: 4em;
  font-weight: bold;
  text-align: center;
  color: white;
}

.block.block1 {
  background-color: #b6366a;
  grid-column: 1 / 4; /* van kolom 1 (incl.) tot 4 (excl.) dus -> 3 */
}

.block.block2 {
  background-color: #726ea6;
  grid-row: 2 / 4;
}

.block.block3 {
  background-color: #7d8dc2;
}

.block.block4 {
  background-color: #a1d2da;
}

.block.block5 {
  background-color: #c392d0;
  grid-column: 2 / 4;
}

.block.block6 {
  background-color: #b6366a;
  grid-column: 1 / 3;
}
```

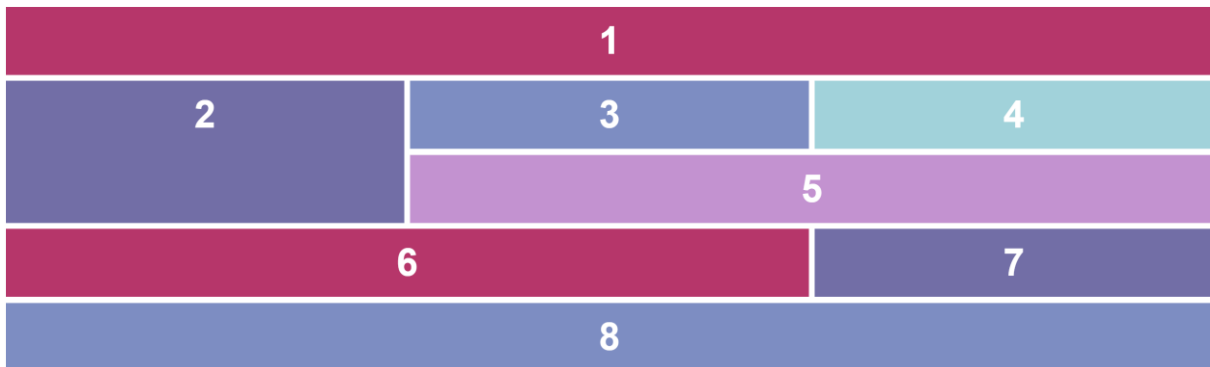
```

.block.block7 {
  background-color: #726ea6;
}

.block.block8 {
  background-color: #7d8dc2;
  grid-column: 1 / 4;
}

```

Resultaat:



Info:

<pre> <!DOCTYPE html> <html> <head> <style> .grid-container { display: grid; grid-template-columns: auto auto auto auto; grid-gap: 10px; background-color: #2196f3; padding: 10px; } .grid-container > div { background-color: rgba(255, 255, 255, 0.8); text-align: center; padding: 20px 0; font-size: 30px; } .item { grid-column: 1 / 3; } </style> </head> <body> <h1>The grid-column Property</h1> <p>Use the <code>on-grid-column=em</code> property to specify on which column-line to start the item, and which column-line to end the item.</p> <p>Item will start on column-line 1, and end on column-line 3.</p> <div class="grid-container"> <div class="item1">1</div> <div class="item2">2</div> <div class="item3">3</div> <div class="item4">4</div> <div class="item5">5</div> <div class="item6">6</div> <div class="item7">7</div> </div> </body> </html> </pre>										
<h3>The grid-column Property</h3> <p>Use the <code>grid-column</code> property to specify on which column-line to start the item, and which column-line to end the item.</p> <p>Item1 will start on column-line 1, and end on column-line 3:</p>										
<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;">1</td> <td style="width: 33%;">2</td> <td style="width: 33%;">3</td> </tr> <tr> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> </table>				1	2	3	4	5	6	7
1	2	3								
4	5	6	7							

2.6 Opdracht 6

CSS-code:

```
main {
  display: grid;
  grid-template-columns: auto;
  grid-template-rows: auto;
  gap: 10px;
}

main .block {
  padding: 20px;
  font-size: 4em;
  font-weight: bold;
  text-align: center;
  color: white;
}

.block1 {
  background-color: #b6366a;
}

.block2 {
  background-color: #726ea6;
}

.block3 {
  background-color: #7d8dc2;
}

.block4 {
  background-color: #a1d2da;
}

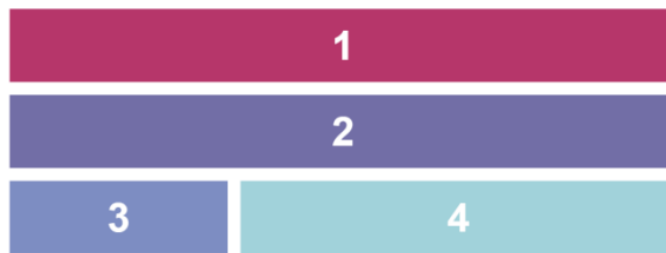
@media (min-width: 320px) {
  .block2 {
    grid-row: 1;
  }

  .block1 {
    grid-row: 2;
  }
}
```

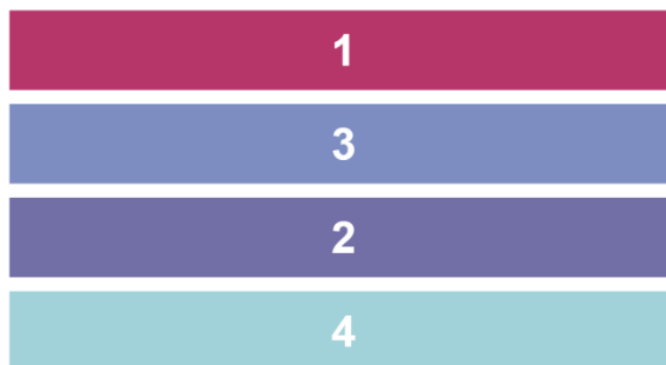
```
@media (min-width: 772px) {  
  .block3 {  
    grid-row: 2;  
  }  
  
  .block2 {  
    grid-row: 3;  
  }  
  
  .block1 {  
    grid-row: 1;  
  }  
}  
  
@media (min-width: 992px) {  
  main {  
    grid-template-columns: 1fr 2fr;  
  }  
  
  .block1,  
  .block2 {  
    grid-column: 1 / 3;  
  }  
  
  .block2 {  
    grid-row: 2;  
  }  
  
  .block3,  
  .block4 {  
    grid-row: 3;  
  }  
}
```

Resultaat:

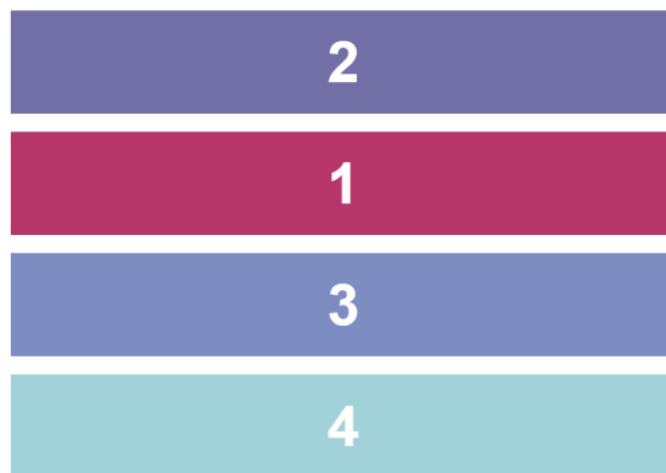
Breder dan 992 pixels. Blok 4 is dubbel zo groot als blok 3. Gebruik hiervoor fractional units.



Breder dan 772 pixels. Let op de volgorde van de blokken.



Breder dan 320 pixels. Let op de volgorde van de blokken.



2.7 Aparte oefening

Belangrijke HTML-code:

```
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <title>Demo Grid</title>
  <link rel="stylesheet" href="style/style.css">
</head>
```

CSS-code:

```
/* items */

body > div {
  display: grid;
  grid-template-columns: auto auto;
  gap: 15px;
}

body > div > div {
  color: white;
  padding: 20px;
  text-align: center;
  font-size: 3em;
}

.item-1,
.item-6 {
  display: none;
}

.item-2 {
  grid-row: 1;
  grid-column: 2;
}

.item-3 {
  grid-column: 1 / 3;
  grid-row: 4;
}

.item-9 {
  grid-row: 1;
}

/* specific item styles */
```

```
.item-1 {
  background: #b03532;
}

.item-2 {
  background: #33a8a5;
}

.item-3 {
  background: #30997a;
}

.item-4 {
  background: #6a478f;
}

.item-5 {
  background: #da6f2b;
}

.item-6 {
  background: #3d8bb1;
}

.item-7 {
  background: #e03f3f;
}

.item-8 {
  background: #59a627;
}

.item-9 {
  background: #4464a1;
}

@media screen and (min-width: 760px) {
  body > div {
    grid-template-columns: 1fr 2fr 1fr;
  }

  .item-1,
  .item-6 {
    display: block;
  }

  .item-3 {
    grid-column: 3 / 4;
    grid-row: 3;
  }
}
```

Resultaat bij scherm > 760 px:

9	2	1
4	5	6
7	8	3

Resultaat bij scherm < 760 px:

9	2
4	5
7	8
3	