

LU04.A03 - Grid

Task 1: Theory

Task definition

1. What does the CSS property `display: grid`?
2. What is the difference between a grid container and a grid item?
3. What do the units `fr` and `px` stand for in CSS Grid?
4. How many dimensions does CSS Grid support?
5. What happens if you use `grid-template-columns: 1fr 2fr set`?
6. What is the short form for `grid-column-start` and `grid-column-end` looks like?

Task 2: Simple box placement

Starting position

HTML

```
<!-- HTML -->
<div class="grid">
  <div>Box 1</div>
  <div>Box 2</div>
  <div>Box 3</div>
  <div>Box 4</div>
  <div>Box 5</div>
  <div>Box 6</div>
</div>
```

Task

1. Set `display: grid` to `.grid`
2. Create 3 columns and 2 rows
3. Give each box a different background colour

Task 3: Behaviour of a grid with different columns

Task

1. Create a grid with 3 columns: The first with 200px, the second with 1fr, the third with 2fr
2. Insert three grid items

3. Observe how the column widths change when you adjust the window size

Task 4: Targeted placement of elements

Task

1. Create a 4x4 grid
2. Insert an element that occupies columns 2 to 4 and rows 1 to 2
3. Use grid-column-start, grid-column-end, grid-row-start, grid-row-end

Task 5: Create grid template

```
+-----+-----+
| header | header |
+-----+-----+
| nav    | content |
+-----+-----+
| footer | footer  |
+-----+-----+
```

Task definition

1. Create the layout using grid-template-areas

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Last update: **2025/03/28 10:53**

