What are the questions I ask myself when applying

display꞉ flex and

flex-direction꞉ column or flex-wrap꞉ wrap,

or

display꞉ grid and grid-template-columns꞉

to put content (growing or not) in the vertical axis?

Is the size that I want to set for the content in the axes meant to be unchanged, Or allowed to grow?

If allowed to grow, Do I want to put a limit on growth, Or allows it to grow without limit?

Do I want to put the content in the vertical axes based on their grouping (flex-direction: column), Their size (flex-wrap: wrap) or the number of content in each column (grid-template-columns: )?

If based on grouping:

Which groups of content do I want to be in which row?

If based on the number of content in each column:

How many content do I want there to be in each column?

Note : Putting content the vertical axis with display: grid and grid-template-columns: works somewhat like a combination of flex-direction: column and flex-wrap: wrap.

The content allowed in each column are set, But when there’s more content than the number allowed in each row, That content will automatically go to the next row.

Note 2 : The problem with putting content on the vertical axes, And allowing them to grow is that if there’s even ONE row where the content in it is less than the other rows, Then those contents will reach their max size faster (If you limited the growth) or ALWAYS be bigger than the content in the other rows, Thanks to not having as much occupied space. Don’t use flex for these instances, Unless the size of the contents are set in stone, Or the number of content in each row is always the same.

Note 2.1 : The way to solve the above is to use grid-template-columns: Set the value of the number of column cells to auto and the width of the content inside the cell to 100%, So the grid cells can grow and cause the content in it to grow with it.

2.2 : However, If you don’t want to set a limit on the number of cells allowed in the column you simply use

grid-template-columns: repeat(auto-fill, minmax(min\_wdith, 1fr)

This causes the cells to increase their size if there’s space, But ALSO make sure that there are even in occupied space, Thus allowing new content to come to different rows if there’s space left in the column after the growth of the column cells.

Note 3 : The growth obviously isn’t an issue when only putting content in a single row.