

In Bootstrap, the grid uses breakpoints to decide when columns should sit side-by-side or stack vertically. The key difference between col-sm-6, col-md-6, and col-lg-6 is the screen width at which each class starts applying the 6-column (50%) layout.

1. col-sm-6 — Small breakpoint ($\geq 576\text{px}$)

- The column becomes half-width starting from small screens, such as large phones.
- Below 576px (very small phones), the column becomes full-width (stacked).
- Impact:
 - Two columns appear earlier on small devices.
 - Layout can feel tight on phones but shows more content side-by-side.

2. col-md-6 — Medium breakpoint ($\geq 768\text{px}$)

- The column becomes half-width starting from tablets or medium screens.
- Below 768px, columns stay stacked.
- Impact:
 - Most phones show a simple, readable single-column layout.
 - Two-column layout starts on tablets/laptops, giving a balanced responsive

design.

3. col-lg-6 — Large breakpoint ($\geq 992\text{px}$)

- The column becomes half-width only on large screens like laptops/desktops.
- Below 992px, everything stays stacked in one column.
- Impact:
 - Phones and tablets display content in a single column (more readable).
 - Two-column layout appears only on wide screens, giving maximum

spacing.