

CLASS 11

MATHS

REVISION NOTES

Class 11 Maths Chapter 5 Linear Inequalities – Revision Notes

Quick revision notes for Class 11 Maths Chapter 5 (Linear Inequalities). These Class 11 Maths Chapter 5 notes are ideal for quick revision just before exams.

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Rules

Add/subtract same value: direction unchanged.

Multiply/divide by positive: direction unchanged.

Multiply/divide by negative: direction REVERSES.

Number Line

Open circle: $<$, $>$ (excluded). Closed circle: $\leq$, $\geq$ (included).

Graphing (2 variables)

Solid line: $\leq/\geq$. Dashed line: $</>$.

Test point (often origin) determines which side to shade.

Systems of Inequalities

Solution = intersection (overlap) of all individual regions.

One-Line Summary

Linear inequalities are solved like equations except multiplying/dividing by a negative reverses the direction, and their solutions are ranges shown on number lines (1 variable) or shaded regions (2 variables), with systems solved by finding the overlapping region.

Class 11 Maths Chapter 5 – Solutions and Important Questions

Need full answers or more practice? See the [Class 11 Maths Chapter 5 Solutions](#) and [Class 11 Maths Chapter 5 Extra Questions](#).

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Practice more: [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#)

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