

CLASS 9

MATHEMATICS

REVISION NOTES

Class 9 Mathematics Chapter 5 I'm Up and Down, and Round and Round – Revision Notes

Quick revision notes for Class 9 Maths Chapter 5 (I'm Up and Down, and Round and Round — Circles). These Class 9 Mathematics Chapter 5 notes are ideal for quick revision just before exams.

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Quick revision notes for Class 9 Maths Chapter 5 (I'm Up and Down, and Round and Round — Circles). These Class 9 Mathematics Chapter 5 notes are ideal for quick revision just before exams.

Basic Terms

Radius: centre to circle. Chord: joins 2 points on circle. Diameter: longest chord (through centre).

Chord Properties

Equal chords $\rightarrow$ equal angles at centre.

Perpendicular from centre bisects chord (and vice versa).

Perpendicular bisector of any chord passes through centre.

Angles

Angle at centre = $2 \times$ angle at circumference (same arc).

Angle in semicircle = 90° .

Circumcircle

Circumcentre: intersection of perpendicular bisectors of triangle's sides.

Cyclic Quadrilaterals

Opposite angles supplementary (sum 180°).

Exterior angle = opposite interior angle.

One-Line Summary

Circle geometry connects chords, arcs, and angles — equal chords give equal central angles, a diameter always subtends 90° , and cyclic quadrilaterals always have supplementary opposite angles.

Class 9 Mathematics Chapter 5 – Solutions and Important Questions

Need full answers or more practice? See the [Class 9 Mathematics Chapter 5 Solutions](#) and [Class 9 Mathematics Chapter 5 Extra Questions](#).

See also: [Chapter 1](#) | [Chapter 2](#) | [Chapter 3](#) | [Chapter 4](#) | [Chapter 5](#)

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