

CLASS 10

MATHS

REVISION NOTES

Revision Notes: Class 10 Maths Chapter 1 Real Numbers

A fast, one-glance recap of Class 10 Maths Chapter 1 (Real Numbers) -- for the full worked explanations, see the Solutions. These Class 10 Mathematics Chapter 1 notes are ideal for quick revision just before exams.

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A fast, one-glance recap of Class 10 Maths Chapter 1 (Real Numbers) — for the full worked explanations, see the [Solutions](#). These Class 10 Mathematics Chapter 1 notes are ideal for quick revision just before exams.

Why This Chapter Matters

Real Numbers is one of the standard chapters in the CBSE/NCERT Class 10 Maths syllabus and questions from it appear regularly in board exams, in formats ranging from 1-mark objective questions to longer 3-5 mark descriptive or numerical questions. Because the concepts here often build on earlier chapters (and feed into later ones), a solid grip on this chapter also makes the rest of the Maths syllabus easier to follow.

Revision Notes: Real Numbers

Euclid's Division Lemma: $a = bq + r$, where $0 \leq r < b$

Euclid's Division Algorithm: repeatedly apply the lemma to find HCF — the last non-zero remainder's divisor is the HCF

Fundamental Theorem of Arithmetic: every composite number factorises into primes uniquely (order aside)

HCF $\times$ LCM = product of the two numbers (two numbers only, not three or more)

Proving irrationality: assume rational (p/q , coprime, $q \neq 0$) $\rightarrow$ show p and q share a common factor $\rightarrow$ contradiction

Know by heart: $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$, and $\sqrt{p}$ for any prime p are irrational; 6^n never ends in 0 (no factor of 5)

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[Full Solutions](#) · [Extra Questions \(HOTS\)](#) · [Formulas Handbook](#)

How to Use These Notes

These revision notes are meant for quick recall in the last few days before an exam or unit test — they are not a substitute for first reading the full chapter and working through examples in the NCERT textbook. A good routine is: read the chapter once, solve the in-text and end-of-chapter questions using the linked Solutions, then come back to this page a day or two before the exam to refresh the key definitions and formulas without re-reading the whole chapter.

Class 10 Mathematics Chapter 1 – Solutions and Important Questions

Need full answers or more practice? See the [Class 10 Mathematics Chapter 1 Solutions](#) and [Class 10 Mathematics Chapter 1 Extra Questions](#).