

CLASS 6

MATHS

NCERT SOLUTIONS

Class 6 Maths Chapter 5 Prime Time NCERT Solutions

Chapter 5 of the Class 6 Maths textbook Ganita Prakash is Prime Time. It explores factors, multiples, prime and composite numbers, and how to find the HCF and LCM of numbers. These Class 6 Mathematics Chapter 5 solutions are also useful as quick revision notes before exams.

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Factors and Multiples

Q: What is the difference between a factor and a multiple?

A: A factor of a number divides it exactly with no remainder (e.g. 4 is a factor of 12). A multiple of a number is obtained by multiplying it by a whole number (e.g. 12, 24, 36 are multiples of 12).

Prime and Composite Numbers

Q: List all the prime numbers up to 30.

A: **2, 3, 5, 7, 11, 13, 17, 19, 23, 29** — a total of 10 prime numbers. A prime number has exactly two factors (1 and itself); a composite number has more than two factors.

Finding the HCF

Q: Find the HCF of 24 and 36 using the factor method.

A: Factors of 24: 1, 2, 3, 4, 6, 8, 12, 24. Factors of 36: 1, 2, 3, 4, 6, 9, 12, 18, 36. The greatest common factor is **12**, so $\text{HCF}(24, 36) = 12$.

Finding the LCM

Q: Find the LCM of 4 and 6 by listing multiples.

A: Multiples of 4: 4, 8, 12, 16... Multiples of 6: 6, 12, 18... The smallest common multiple is **12**, so $\text{LCM}(4, 6) = 12$.

Class 6 Mathematics Chapter 5 – Notes and Extra Questions

Along with these NCERT Solutions, students can also use the [Class 6 Mathematics Chapter 5 Extra Questions](#) and [Class 6 Mathematics Chapter 5 Revision Notes](#) for quick revision and extra practice.