

CLASS 6

MATHS

NCERT SOLUTIONS

Class 6 Maths Chapter 3 Number Play NCERT Solutions

Chapter 3 of the Class 6 Maths textbook Ganita Prakash is Number Play. It explores fun patterns hidden in numbers, including reversals, digit sums, palindromes, and divisibility tricks. These Class 6 Mathematics Chapter 3 solutions are also useful as quick revision notes before exams.

Contents

Number Reversal Patterns

Digit Sums and Divisibility

Palindromic Numbers

Supercells and Number Patterns

Class 6 Mathematics Chapter 3 – Notes and Extra Questions

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Number Reversal Patterns

Q: Find the difference between 47 and its reverse, 74. Is this difference divisible by 9?

A: $74 - 47 = 27$. $27 \div 9 = 3$, so yes, it is **completely divisible by 9** — this holds true for the difference between any two-digit number and its reverse.

Digit Sums and Divisibility

Q: Find the digit sum of 528, and use it to check whether 528 is divisible by 3.

A: $5+2+8 = 15$, and $1+5 = 6$. Since the final digit sum is 6 (which is divisible by 3), 528 is also **divisible by 3**. This works because a number is divisible by 3 exactly when its digit sum is divisible by 3.

Palindromic Numbers

Q: What is a palindromic number? Give an example.

A: A palindromic number reads the same forwards and backwards, such as 121, 3443, or 7. Some number puzzles involve repeatedly adding a number to its reverse until a palindrome is reached — this is called the reverse-and-add process.

Supercells and Number Patterns

Q: In a row of numbers, how do you identify a “supercell”?

A: A supercell is a number in a grid that is greater than all of its immediate neighbours (left, right, above, below). Identifying supercells helps students practise quick comparison of multiple numbers at once.

Class 6 Mathematics Chapter 3 – Notes and Extra Questions

Along with these NCERT Solutions, students can also use the [Class 6 Mathematics Chapter 3 Extra Questions](#) and [Class 6 Mathematics Chapter 3 Revision Notes](#) for quick revision and extra practice.