Class 6

Important Formulas

Chapter 11 – Algebra

1. The letters which are used to represent numbers are called literal numbers or literals.

2. The literal numbers themselves as well as the combinations of literal numbers and numbers obey all the rules (and signs) of addition, subtraction, multiplication and division of numbers along with the properties of these operations.

3. $x \times y = xy, 5 \times x = 5x, 1 \times x = x, x \times 3 = 3x$

4. $a \times a \times .... \times 12\,times = a^{12}$, $y \times y \times ... \times 15\,times = y^{15}$.

5. In x^9 9, is called the index or exponent and x is called the base. In a^5, the index or exponent is 5 and the base is a.

6. A symbol having a fixed numerical value is called a constant.

NCERT Solutions for Class 6 Maths Chapter 1

- Knowing our Numbers Class 6 Ex 1.1
- Knowing our Numbers Class 6 Ex 1.2
- Knowing our Numbers Class 6 Exercise 1.3

NCERT Solutions for Class 6 Maths Chapter 2

- Whole Numbers Class 6 Ex 2.1

NCERT Solutions for Class 6 Maths Chapter 3

- Playing with Numbers Class 6 Ex 3.1
- Playing with Numbers Class 6 Ex 3.2
- Playing with Numbers Class 6 Ex 3.3
- Playing with Numbers Class 6 Ex 3.4
- Playing with Numbers Class 6 Exercise 3.5
- Playing with Numbers Class 6 Exercise 3.6
- Playing with Numbers Class 6 Exercise 3.7

NCERT Solutions for Class 6 Maths Chapter 4

- Basic Geometrical Ideas Class 6 Ex 4.1
- Basic Geometrical Ideas Class 6 Ex 4.2
- Basic Geometrical Ideas Class 6 Ex 4.3
- Basic Geometrical Ideas Class 6 Exercise 4.4
- Basic Geometrical Ideas Class 6 Exercise 4.5
- Basic Geometrical Ideas Class 6 Exercise 4.6

NCERT Solutions for Class 6 Maths Chapter 5

- Understanding Elementary Shapes Class 6 Ex 5.1
- Understanding Elementary Shapes Class 6 Ex 5.2
- Understanding Elementary Shapes Class 6 Ex 5.3
- Understanding Elementary Shapes Class 6 Ex 5.4
- Understanding Elementary Shapes Class 6 Ex 5.5
- Understanding Elementary Shapes Class 6 Exercise 5.6
- Understanding Elementary Shapes Class 6 Exercise 5.7
- Understanding Elementary Shapes Class 6 Exercise 5.8
- Understanding Elementary Shapes Class 6 Exercise 5.9

Class 6 Maths NCERT Solutions Chapter 6

- Integers Class 6 Ex 6.1
- Integers Class 6 Ex 6.2
- Integers Class 6 Exercise 6.3

Class 6 Maths NCERT Solutions Chapter 7

- Fractions Class 6 Ex 7.1

- Fractions Class 6 Ex 7.2
- Fractions Class 6 Ex 7.3
- Fractions Class 6 Exercise 7.4
- Fractions Class 6 Exercise 7.5
- Fractions Class 6 Exercise 7.6

Class 6 Maths NCERT Solutions Chapter 8

- Decimals Class 6 Ex 8.1
- Decimals Class 6 Ex 8.2
- Decimals Class 6 Ex 8.3
- Decimals Class 6 Exercise 8.4
- Decimals Class 6 Exercise 8.5
- Decimals Class 6 Exercise 8.6

Class 6 Maths NCERT Solutions Chapter 9

- Data Handling Class 6 Ex 9.1
- Data Handling Class 6 Ex 9.2
- Data Handling Class 6 Exercise 9.3
- Data Handling Class 6 Exercise 9.4

Class 6 Maths NCERT Solutions Chapter 10

- Mensuration Class 6 Ex 10.1
- Mensuration Class 6 Ex 10.2
- Mensuration Class 6 Exercise 10.3

Class 6 Maths NCERT Solutions Chapter 11

- Algebra Class 6 Ex 11.1
- Algebra Class 6 Ex 11.2
- Algebra Class 6 Exercise 11.3
- Algebra Class 6 Exercise 11.4
- Algebra Class 6 Exercise 11.5

Class 6 Maths NCERT Solutions Chapter 12

- Ratio and Proportion Class 6 Ex 12.1
- Ratio and Proportion Class 6 Ex 12.2
- Ratio and Proportion Class 6 Exercise 12.3

Class 6 Maths NCERT Solutions Chapter 13

- Symmetry Class 6 Ex 13.1
- Symmetry Class 6 Exercise 13.2
- Symmetry Class 6 Exercise 13.3

Class 6 Maths NCERT Solutions Chapter 14

Chapter 1 Knowing Our Numbers

Chapter 2 Whole Numbers

Chapter 3 Playing With Numbers

Chapter 4 Basic Geometrical Ideas

Chapter 5 Understanding Elementary Shapes

- Comparison of Line Segments
- Different Types of Angles
- Measure an Angle with a Protractor
- Classification of Triangles
- Different Types of Quadrilaterals
- Different types of Three Dimensional Shapes

Chapter 6 Integers

- Introduction
- Integers Examples
- Operations with Integers Worksheet

Chapter 7 Fractions

- Introduction
- Types of fraction
- Fraction on The Number Line
- Proper Fractions
- Improper And Mixed Fractions
- Equivalent Fractions Chart
- Simplest Form Of A Fraction
- Like Fractions
- Comparing Fractions Worksheets
- Addition And Subtraction Of Fractions

Chapter 8 Decimals

- Introduction
- Tenths and Hundreths
- Convert Unlike Decimals to like decimals
- Using Decimals
- Addition Of Numbers With Decimals
- Subtraction Of Decimals

Chapter 9 Data Handling

- Introduction
- Recording Data
- Collection and Organisation of Data
- Pictograph Examples and Worksheets
- Interpretation of A Pictograph
- Drawing A Pictograph
- A Bar Graph

Chapter 10 Mensuration

- Introduction
- Perimeter of Closed Shapes
- Find Area of Plane Figures

Chapter 11 Algebra

- Introduction
- Matchstick Patterns
- The Idea Of A Variable
- More Matchstick Patterns
- More Examples Of Variables
- Use Of Variables In Common Rules
- Expressions With Variables
- Using Expressions Practically
- What Is An Equation?
- Solution Of An Equation

Chapter 12 Ratio and Proportion

- Introduction
- What is Ratio and Proportion
- Unitary Method

Chapter 13 Ratio and Proportion

- Introduction
- Making Symmetric Figures: Ink-blot Devils
- Figures with Two Lines of Symmetry
- Figures with Multiple (more than two) Lines of Symmetry
- Reflection and Symmetry

Chapter 14 Practical Geometry

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- Introduction
- Construction of a Circle
- Construction of a Line Segment
- Construction of a Perpendicular Bisector
- Construction of Angles using compass ruler