CBSE Class 6 NCERT Maths Chapter 6 Integers Notes

Below we have given topic-wise notes for the CBSE Class 6 NCERT Maths Chapter 6 Integers. We have also provided a downloadable free PDF at the end of these notes so you can download and take a printout to study later when you need quick revision before going to the exam hall.

Topic 1: Integers

- **Integers:** Whole numbers and negative numbers are collectively known as integers. There are two kinds of integers - positive and negative.
- **Positive Integers:** All positive numbers among the whole list of integers beginning with 1, 2, 3,.. and so on are called positive integers.
- **Negative Integers:** All negative numbers among the whole list of integers going down below the value of -1, -2, -3,.. and so on are called negative integers.

Topic 2: Representation of Integers on the Number Line

- **Number Line:** On a number line, the numbers are represented at a fixed distance from each other.

Topic 3: Ordering Integers on the Number Line

- **Ordering of Integers:** On the Number Line, 0 is placed at the centre. On the right of zero, all the positive integers are written in an increasing order starting from zero. All the negative integers are written on the left of zero in decreasing order.

Topic 4: Addition of Integers

- **Addition of Integers:**
  1. You add when you have two positive integers.
     For eg, (+3) + (+2) = +5 [= 3 + 2].
  2. You also add when you have two negative integers but the answer will take a minus (–) sign.
     For eg, (–2) + (–1) = – (2+1) = –3.

3. When you have one positive and one negative integer, you must subtract, but the answer will take the sign of the bigger integer.

For eg, (+ 5) + (– 8) = (+ 5) + (– 5) + (– 3)

= 0 + (– 3) = (– 3)

Topic 5: Subtraction of Integers

- **Subtraction of Integers:** To subtract an integer from another integer, it is enough to add the additive inverse of the integer that is being subtracted, to the other integer.

For eg, (– 10) – (– 4) = (– 10) + (additive inverse of – 4)

= –10 + 4 = – 6