Comparison of Decimals

To compare the decimals, we have to follow the following steps:

Step 1: Convert unlike decimals into like decimals.

Step 2: Compare the whole number part. The decimals with greater whole number part is greater.

Step 3: If the whole number part is equal, then compare the digits in the tenth place of decimal part. The number with greater digit in the tenth place is greater.

Step 4: If digits in the tenth place are also equal, then compare the digits in the hundredth place and so on.

Let us understand with an example:

Example: Compare 91.4 and 91.400

Solution: Since the given decimal numbers are unlike so we will first change them into like decimals by adding two zeroes on the right hand side of the decimal 91.4

So, the first decimal will become 91.4 = 91.400 and the second decimal is given to us as 91.400.

Comparing both the decimals we see that both are equal.

91.400 = 91.400