

**Chapter – 2**  
**Whole Numbers**

**Exercise 2.1**

**( Note ) :- first questions are done for you and rest are the H.W .**

- 1. Write the next three natural numbers after 10999.**

Ans - Next three natural numbers after 10999 are :-

11000, 11001, 11002

- 2. Write the three whole numbers occurring just before 10001.**

Ans - 3 whole numbers just before 10001 are :-

10000, 9999, 9998

- 3. Which is the smallest whole number?**

Ans - The smallest whole number is 0.

- 4. In each of the following pairs of numbers, state which whole number is on the left of the other number on the number line. Also write them with the appropriate sign ( $>$ ,  $<$ ) between them.**

- a. 530, 503**

Ans - As  $530 > 503$ ,

503 is on the left side of 530 on the number line.

- b. 9830415, 10023001**

Ans - Since  $98,30,415 < 1,00,23,001$ ,

98,30,415 is on the left side of 1,00,23,001 on the number line.

c. **370, 307**

d. **98765, 56789**

**5. Which of the following statements are true (T) and which are false (F)?**

**(a) Zero is the smallest natural number.**

Ans - False, 0 is not a natural number.

**(b) 400 is the predecessor of 399.**

Ans - False, as predecessor of 399 is 398 ( $399 - 1 = 398$ ).

**(c) Zero is the smallest whole number.**

Ans - True

**(d) 600 is the successor of 599.**

Ans - True, as  $599 + 1 = 600$

**(e) All natural numbers are whole numbers.**

Ans - True

**(f) All whole numbers are natural numbers.**

Ans - False, as 0 is a whole number but it is not a natural number.

**(g) The predecessor of a two digit number is never a single digit number.**

Ans - False, as predecessor of 10 is 9.

**(h) 1 is the smallest whole number.**

Ans - False, 0 is the smallest whole number.

**(i) The natural number 1 has no predecessor.**

Ans - True, as 0 is the predecessor of 1 but it is not a natural number.

**(j) The whole number 1 has no predecessor.**

Ans - False, as 0 is the predecessor of 1 and it is a whole number.

**(k) The whole number 13 lies between 11 and 12.**

Ans - False, 13 does not lie in between 11 and 12.

**(l) The whole number 0 has no predecessor.**

Ans - True, predecessor of 0 is  $-1$ , which is not a whole number.

**(m) The successor of a two digit number is always a two digit number.**

Ans - False, as successor of 99 is 100.

**6. How many whole numbers are there between 32 and 53?**

**7. Write the successor of:**

(a) 2440701      (b) 100199      (c) 1099999      (d) 2345670

**8. Write the predecessor of:**

(a) 94      (b) 10000      (c) 208090      (d) 7654321

**9. Solve in a number line :-**

a.  $6 + 2$       b.  $5 - 4$       c.  $4 + 3$       d.  $3 \times 4$       e.  $9 - 3$       f.  $2 \times 5$