CHAPTER-5

NATURAL NUMBERS AND WHOLE NUMBERS

WORKSHEET

1. Answer True or False

(i) Every natural number is a whole number.

(ii) Every whole number is a natural number

(iii) The whole number 1 has 0 as predecessor.

(iv)The difference of any "two" consecutive whole numbers is 2.

v) The successor of 9999 is 1000.

2. Answer the following questions:

(i) The counting numbers are also called ……

(ii) The predecessor of a number is obtained by ……

(iii) The predecessor of 1 is the whole number.....

(iv)Smallest natural number is……

(v) Smallest whole number is……

3. Write the successor of:

(i) 197 (ii) 1538

4. Write the predecessor of:

(i) 80 (ii) 7890

5. The sum of the successor and predecessor of 100 is :

(a) 101 (b) 199 (c) 200 (d) 11113

6. Determine the sum of the four numbers as given below:

(a) successor of 32 (b) successor of the successor of 67

(c) Predecessor of 49 (d) predecessor of the predecessor of 56.

7. Starting from the least even natural number, state the sum of the first four even numbers

8. Subtract the successor of 99 from the predecessor of 201.

9. (i) 229 x ..... = 578 × 229

(ii) 32 x 15 = 32 x 6 + 32 x 7 + 32 x ....

(iii) 23 x 56 = 20 x 56 + ... x 56

(iv) 83 x 54 + 83 x 16 = 83 x (.. ..) = ...

(v) 98 x 273 -75 x 273 = (.. ...) x 273 = ...

10. By re-arranging the given numbers, evaluate :

(i) 2 x 487 x 50
(ii) 25 x 444 x 4
(iii) 225 x 20 x 50 x 4

11. Use distributive law to evaluate :

(i) 984 x 102 (ii) 385 x 1004 (iii) 446 x 10002

12. Evaluate using properties:

i) 548 x 98

ii) 924x997

iii) 3002x 723

13. Evaluate using properties:

(i) 679 x 8 + 679 x 2

(iii) 55873 x 94 + 55873 x 6

(v) 8324 x 1945 - 8324 x 945

14. Find the product of

i) The greatest number of three digits and smallest number of 5 digits

ii) The greatest number of 4 digits and greatest number of 5 digits.

15. Show that:

i) division of whole numbers is not closed.

ii) any whole number divided by 1, always gives the number itself.

iii) every non-zero whole number divided by itself gives 1 (one).

iv) zero divided by any non-zero number is zero only.

(v) a whole number divided by 0 is not defined.

For each part, given above, give two suitable examples .

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