

North-Ex Public School (Recognized)

Class 6

Mathematics summary and Worksheet (Whole Numbers)

Note: Before attempting the worksheet you must check links given below which will help you in solving the sums;-

- Link :
1. <https://youtu.be/pazHRjSHDEA>
 2. <https://youtu.be/cWRCmvizZeM>
 3. <https://youtu.be/Rd8X-M6tC7I>

CH 4 : WHOLE NUMBER (SUMMARY)

- The numbers 1, 2, 3.....used for counting are called natural number. Every natural number has a successor.
- To obtain the successor of a natural number, 1 is added to the number.
- To obtain the predecessor of a natural number, 1 is subtracted from the Number every natural number except 1 has a predecessor in the set of natural number.
- The whole numbers are the collection of natural along with 0 (Zero).Every whole number has a successor.
- All natural numbers are whole numbers but all whole numbers are not natural number.
- The largest whole number of the largest natural number does not exist.
- All whole number can be represented on a number line.
- Addition on number line involves moving to the right of the number where as subtraction on number line corresponds to moving to the left. Multiplication on number line corresponds to making jumps of equal distance, to the right, starting from zero.
- The closure, commutative and associative property hold true for addition and multiplication of whole number only.
- Zero is additive identity of whole numbers whereas 1 is multiplicative identity of whole numbers.
- Division of a whole number by zero is not defined.

WORKSHEET 2
CHAPTER-4
WHOLE NUMBER

1. Using number line evaluate:-

(a) $2 + 3$ (b) $6 - 2$

2. Find the sum using suitable arrangement.

(a) $537 + 508 + 663$ (b) $212 + 163 + 538 + 137$

3. Find the following using suitable property of whole number.

(a) $25 \times 5674 \times 4$ (b) $15 \times 756 \times 200$

4. Simplify $1284 \times 27 + 1284 \times 73$.

5. Find the Product using distributive Property.

(a) 1009×925 (b) 99×71521 (c) 10295×93

6. Find the difference between the largest 5 digit number and smallest 3 digit number.

7. Determine the product of the greatest number of 4 digit and smallest number of 5 digit number.

8. A shopkeeper sold 7 bedsheets for Rs. 350/- each and 13 pillow covers for Rs. 50/- each. Find the amount he earned by selling the bedsheets and pillow covers.

9. Prepare 6 -7 flash cards and write properties of whole numbers with examples and express in an attractive way.

WORKSHEET 3

1. Tick (✓) the correct answer.

- (a) The product of the successor and predecessor of 2001 is
(i) 400004 (ii) 4004000 (iii) 404040 (iv) 400100
- (b) Which of the following is not defined?
(i) $18 \div 1$ (ii) $18 \div 0$ (iii) $0 \div 18$ (iv) $18 \div 18$

2. State the property used in following statements.

- (a) $168 + 207 = 207 + 168$ (b) $(809 \times 999) + (809 \times 1) = 809 \times 1000$
(c) $303 \times 1 = 303$ (d) $2 \times 178 \times 5 = 178 \times 10$

3. Point out the errors in the statements given below and rewrite the statement.

- (a) Between any two whole numbers, there exist a whole number.
(b) Every whole number on the number line is greater than the whole number on its right.

4. Fill in the blanks.

- (a) $387 \times 99 = 387 \times \dots - 387 \times \dots$
(b) $248 \times 125 = 248 \times \left(\frac{\dots}{8}\right)$
(c) $537 + 354 + 663 + 246 = (537 + \dots) + (354 + \dots)$

5. How many natural numbers are there upto 1 million?

6. Solve the following using appropriate properties.

- (a) $8 \times 2038 \times 125$
(b) $50 \times 138 \times 2 \times 25 \times 40$
(c) $909 \times 96 + 909 \times 4$
(d) $3045 \times 17 + 3045 \times 13 + 3045 \times 70$
(e) $79582 \times 567 + 39791 \times 433 \times 2$

7. Multiply the predecessor of smallest 4-digit number by the successor of 229.

8. Find the smallest 5-digit number exactly divisible by 126.

CROSSWORD

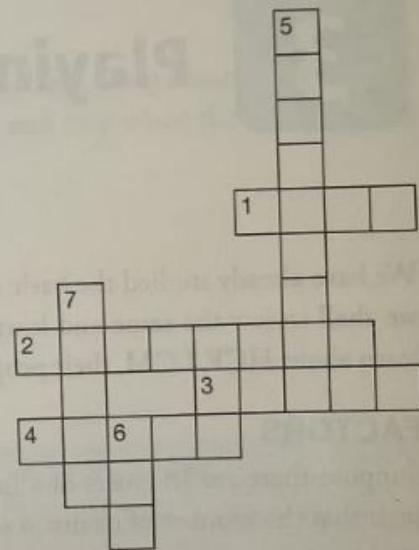
CROSSWORD PUZZLE

Across clues

- is an additive identity of whole numbers.
- Closure property of whole numbers does not hold true for
- The only prime number that can be represented as a triangle is
- All natural numbers are numbers except zero.

Down clues

- To obtain the of a number, 1 is added to the number.
- Number has no predecessor in natural numbers.
- Addition on number line involves, moving to the of the number on the number line.



SOLUTION OF (Worksheet 1)

Solution of worksheet

class VI

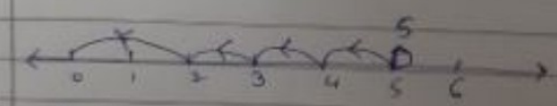
Ch. Whole Numbers.

Q:-1. Fill in the blanks.

1. Smallest natural number is 1
2. Smallest whole number is 0
3. Successor of 999 $\rightarrow 999+1=1000$
4. Predecessor of Greatest 6 digit Number $\rightarrow 999999-1=999998$
5. Next three whole numbers of 88876 $\rightarrow 88877, 88878, 88879$
6. Greatest whole number \rightarrow does not exist
7. All whole numbers are natural numbers. True.
8. The number 1 has no predecessor in the set of whole number. False.
9. 0 is a Natural number. False.
10. The whole number 15 lies between 14 and 16. \rightarrow Yes.

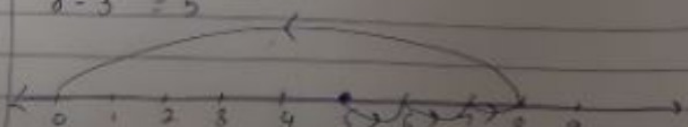
Q:-2. Evaluate :- Number line

Q:-2. $2+3=5$

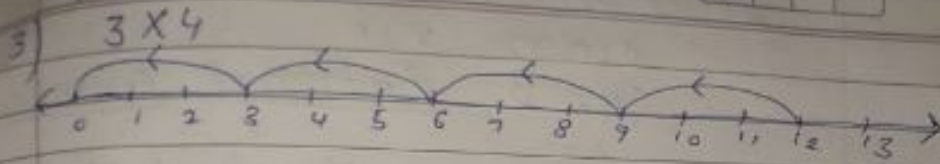


A number line from 0 to 6. An arrow starts at 2 and points to 3. Another arrow starts at 3 and points to 4. A third arrow starts at 4 and points to 5. A bracket above the line spans from 2 to 5, with the number 5 written above it.

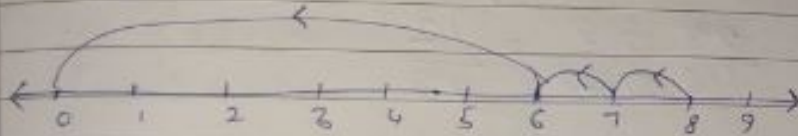
$8-3=5$



A number line from 0 to 9. A bracket above the line spans from 8 to 3, with the number 5 written above it.



4. $6 + 2 = 8$



Q:3. a) $123 + 456 = 579$ Closure Property of Addition

b) $876 - 123 = 753$ Closure Property of subtraction

c) $234 \times 6 = 1404$ Closure Property of Multiplication.

d) $124 + 567 = 567 + 124$
Commutative Property of Addition
 $691 = 691$

e) $45 \times 67 = 67 \times 45$
Commutative Property of Multiplication

$$\begin{array}{r} 45 \\ \times 67 \\ \hline 315 \\ 270 \times \\ \hline 3015 \end{array}$$

$$\begin{array}{r} 67 \\ \times 45 \\ \hline 335 \\ 268 \times \\ \hline 3015 \end{array}$$