

DSB INTERNATIONAL PUBLIC SCHOOL
RISHIKESH (UTTARAKHAND)

Class - VI

Subject	SUMMER ASSIGNMENT (2019-20)
MATHS	<ul style="list-style-type: none"> * WORKSHEETS OF CH-1, CH-2 AND CH-3. * WRITE AND LEARN TABLES FROM 2 TO 20 * TRY THESE OF CH-1, CH-2 AND CH-3 * PREPARE A CHART ON ROMAN NUMERALS 1 TO 100 (R.NO-1 TO 5) * PREPARE A CHART ON PROPERTIES OF WHOLE NUMBER FOR ADDITION (R.NO-6 TO 10) * PREPARE A CHART ON PROPERTIES OF WHOLE NUMBER FOR SUBTRACTION (R.NO-11 TO 15) * PREPARE A CHART ON PROPERTIES OF WHOLE NUMBER FOR MULTIPLICATION (R.NO-16 TO 20) * PREPARE A CHART ON PROPERTIES OF WHOLE NUMBER FOR DIVISION (R.NO-21 TO 25) * PREPARE A CHART ON DIVISIBILITY RULES (R.NO-26 TO 30) * PREPARE A CHART ON IMPORTANT NOTES OF FACTORS AND MULTIPLES (R.NO-31 TO 35) * PREPARE A CHART ON ERATOSTHENES'S METHOD OF FINDING PRIME NUMBERS FROM 1 TO 100 (R.NO-36 ONWARDS.....)
ENGLISH	<ul style="list-style-type: none"> * VISIT TO A NEARBY BANK AND WRITE A PARAGRAPH ON YOUR VISIT (WORD LIMIT 100-120 WORDS) * WRITE A LETTER TO YOUR GRANDMOTHER / GRANDFATHER LIVING IN SOME OTHER CITY AND POST IT (MAKE SURE IT IS STAMPED AND PROPERLY ADDRESSED).WRITE YOUR EXPERIENCE IN 50 WORDS. * DO WRITING PRACTICE (20 PAGES) * MAKE A DICTIONARY OF YOUR OWN USING WASTE PAPERS AND WRITE AT LEAST 100 WORDS WITH THEIR MEANINGS . * LEARN YOUR SYLLABUS FOR UNIT TEST 1
SCIENCE	<ul style="list-style-type: none"> * WRITE 10 DISCOVERIES AND INVENTION WITH THEIR SCIENTIST AND ITS USES IN DAY TO DAY LIFE [IN ACTIVITY NOTEBOOK]. * MAKE A CHART OF FOLLOWING: ROLL NO:1 TO 10 -TYPES OF POLLUTION AND THEIR PREVENTION. ROLL NO:11 TO 20 - DEFICIENCY DISEASES THEIR SYMPTOMS AND HOW TO CURE IT ROLL NO:21 TO 30 - SLOGANS AND PICTURES ON WASTE MANAGEMENT ROLL NO:31 TO 40 - DIFFERENT WAYS OF WATER HARVESTING AND CONSERVING. * ORGANISE THE KITCHEN GARDEN HAVING AT LEAST 5 PLANTS WITH MEDICINAL VALUES PASTE PICTURES OF YOUR GARDEN AND WRITE ABOUT THE EXPERIENCE OF HOW YOU MAINTAINED IT .(IN ACTIVITY NOTEBOOK)
ART & CRAFT	<ol style="list-style-type: none"> (1) Decorate a flower pot by using M-seal and any waste material (roll no 1 to 10). (2) Make a pencil box by using any cardboard box and decorate with any material (roll no 11 to 20). (3) Make a big size decorative wall hanging by using any waste material (roll no 21 to 30). (4) Make shoes, slippers by using card board, handmade sheet and any decorative material (roll no 31 to last).



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Rishikesh (Uttarakhand)

Work-Sheet Class-VI

Subject: Maths

CHAPTER-1 (KNOWING OUR NUMBERS)

IMPORTANT POINTS:

- DIGITS:** The ten basic elements (0,1,2,3,4,5,6,7,8,9) of numbers are known as digits.
- NUMBER:** A number is a value in mathematics used for measuring or counting a certain quantity. Numbers are representing using the combination of digits from 0 to 9.
- NUMERAL:** A single or group of digits denoting a number is called a numeral. For example 12, 567, 1890 etc.
- FACE VALUE:** The face value of a digit in a no. Is the digit itself irrespective of its position. For example, in 637, the face value of 6 is 6, 3 is 3 & 7 is 7.
- Place value of a digit = (face value of a digit) \times (value of its place)

I. Fill ups:

- Face value of 4 in 54673008 is _____ & place value of 4 is _____.
- 'M' in Roman Numerals stands for _____.
- In Roman Numerals, a symbols can be repeated only _____.
- _____ is a no. That comes just after a given no.
- Predecessor is a no. that comes just _____ a given no.

II. Put the correct signs $>$, $<$ or $=$

- 34567897 _____ 34657897
- 110220568 _____ 101234673
- 658561561 _____ 683955610
- 508643211 _____ 580453011

III Solve:

- Insert commas & write the number name in the Indian System.
 - 212121202 : _____
 - 80000435 : _____
- Insert commas & write the number name in the International system.
 - 303400128 : _____
 - 59000037 : _____
- Write in expanded form.
 - 100234587 : _____
 - 531300578 : _____
- Write the predecessor & successor in the given space.
 - _____ 12586490 _____
 - _____ 4389551 _____

5. Write in Roman Numerals:

a) 99 : _____

b) 450 : _____

c) 1326 : _____

V Practice the following sums :

1. Subtract the sum of the predecessor of the largest 4-digit no. & the least 2 digit no. from the sum of the predecessor of the largest 7-digit no. & the successor of the least 3-digit no.

2. A bus starts from place A to place B which are 3520 km apart, at a average speed of 55km/hr. If the bus travels only 16 hrs. Per day, in how many days will it reach place B?

3. Take the digits 2,3,0 and 4. Make any four numbers each with 6digits.Arrange them in ascending order.

4. Insert the sign (+, -) in the right place to get 100.

$$12 _ 3 _ 4 _ 5 _ 67 _ 8 _ 9 = 100$$

5. How many times does the digit 2 occurs in ten's place in the numbers from 100 to 500?

6. Find the latest population of India and write it in figures and words.

7. Convert 3kg 562gm 305mg into milligrams. Write the answer in words in International system of numeration.

8. Take the digits 2,3,0 and 4. Make any four numbers each with 8 digits. Arrange them in ascending order.

9. Write in short form: a) $700000+2000+500+30+9 =$ _____

b) $50000+4000+300+60+5 =$ _____

10. Find the difference between the greatest number of 6 digits and the smallest number of 7 digits.



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Work-Sheet Class-VI

Subject: Maths

Chapter-2 (Whole Numbers)

Important points :

- Counting numbers are called natural numbers.
- All natural numbers together with the number zero form the set of whole numbers.
- There is no largest natural number.
- Every natural number is a whole number.
- 0 is a whole number but not a natural number.
- Given any two distinct whole numbers, one is always smaller than the other.

I. Fill ups :

- The smallest natural number is _____.
- The smallest whole number is _____.
- Successor of a number is found by _____ 1 to the given number.
- Predecessor of a number is found by _____ 1 from the given number.
- The group of all natural numbers and 0 is called _____ numbers.

II. True / False :

- A predecessor of a whole number comes just before the number. _____
- A successor of a whole number comes just after the number. _____
- The successor of the largest 3-digit number is the predecessor of the smallest 3-digit number. _____
- To obtain the smallest 3-digit number, add 1 to the largest 2-digit number. _____
- If a is any whole number, then $0 \div a$ is not defined. _____

III. Do all the sums :

- Write the successor of each of the following -
 - 9999 : _____
 - 7,54,990 : _____
- Find the products by suitably arranging the numbers :
 - $40 \times 237 \times 25$
 - $20 \times 435 \times 5$

(3) Evaluate using distributive laws :

(a) $7983 \times 32 + 7983 \times 68$ (b) $3841 \times 9999 + 3841$

(4) The product of two numbers is 7623. If one number is 77, find the other.

(5) Find the sum and the difference between the largest 4-digit number and the smallest 5-digit number.

IV. Practice the following sums :

(1) The school committee of Vidya Niketan spent Rs. 83,985 on books and Rs. 90,745 on uniforms. How much did they spend in all? If they had Rs. 3,00,000, how much money remained with the school committee?

(2) Add the following by suitable arranging the numbers :

11, 12, 13, 14, 15, 16, 17, 18 and 19.

- (3) Find the largest 5-digit number which is exactly divisible by 236.
- (4) Find the least number which should be added to 10,000 so that the sum is exactly divisible by 129.
- (5) Sachin buys 50 chairs and 50 tables. If a chair costs Rs. 325 and a table costs Rs. 1225, find how much money does he spend.
- (6) A driver filled 40liters of petrol in his car on Monday.The next day, he filled 50liters of petrol.If the petrol costs 45rs per litre, how much did he spend in all on petrol?

- (7) During prayer time in a school 25 students stand in each row. Find the minimum numbers of rows if there are 674 students in that school?
- (8) In a division sum, let $D = q \times d + 1$, where D, q and d stand for dividend, quotient and divisor, respectively. When $q = 4, D$ is 25. What will be D when $q = 9$?
- (9) If $a = 47$ and $b = 3$ verify that : $(a + b) \times (a - b) = a \times a - b \times b$
- (10) Suppose $a \div a = 1$, a is a whole number. Is it true for every whole number? Which whole numbers do not satisfy this relation?



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Work-Sheet Class-VI

Sub : Maths

CHAPTER-3 (PLAYING WITH NUMBERS)

IMPORTANT POINTS:

f) **Factors:** The factor of a number are all the numbers that divide it exactly, without leaving a remainder.

For example: All factors of 18 are 1, 2, 3, 6, 9 and 18

g) **Multiples:** When two or more numbers are multiplied, the product is called multiple of each of the numbers being multiplied.

For example: Multiple of 5 are 5, 10, 15, 20, 25, _ _ _ _ _

h) **Prime Numbers:** Numbers which have only two factors i.e. 1 and the number itself are called prime numbers..

For example: 2, 3, 5, 7, 11 and 13 are prime nos.

i) **Composite numbers:** Numbers which have more than two factors are called composite numbers.

For example: 4, 6, 8, 9, etc are composite numbers.

j) 1 is neither a prime nor composite number it is a unique number.

k) Product of two numbers = product of their LCM & HCF

I Fill Ups:

- 1) _____ is a smallest prime no.
- 2) _____ is the even prime number .
- 3) The smallest 4 digit number is _____.
- 4) 18 is common multiple of _____.
- 5) A number divisible by 2 and 9 is also divisible by _____.

II True/False:

- 1) A number divisible by 5 is also divisible by 10. _____.
- 2) It is not possible to find the greatest common multiple of numbers because multiples are infinite. _____.
- 3) When two or more numbers have only 1 as a common factor, they are called co-prime numbers. _____.
- 4) Prime factorisation of 24 are $1 \times 2 \times 2 \times 2 \times 3$. _____
- 5) The smallest prime number is 1. _____

III Do all the sums:

1) Find LCM of 42 , 90 and 72 .

2) Find HCF of 12. 16.and 20.

3) The HCF of two numbers is 16 and the LCM is 96. If one of the numbers is 32, what is the other number?

4) Find all the prime factors of 3064(using factor tree method).

5) Write any five pairs of co-prime numbers.

IV Practice the following sums :

1) Show that the product of 36 and 48 is equal to the product of their HCF and LCM.

2) Three bells chime at intervals of 30, 45, and 60 minutes respectively. If they begin ringing together, after how long will they chime together again?

3) Write any three 4 digit numbers that are divisible by 3 & 9.

4) Find the smallest number which , when divided by 14, 28, and 91 leaves a remainder of 1 in each case.

5) 32 apples and 52 bananas are to be divided into as many boxes as possible where the number of apple and bananas in each box is the same . How many apples and bananas will there be in each box?

6) I am a 2-digit odd number. The sum of my digits is 8. What possible numbers could I be?

7) We are 2-digit twin prime numbers. When we change place of the digits, both of us still remain prime numbers. What we are?

8) Find prime factors of 3960.

9) Write the common factors of 6 and 10?

10) Express 26 and 32 as sum of three odd primes.