



# FEDERAL DIRECTORATE OF EDUCATION

## Summer Vacation Task

Mathematics-----Class-IV

**SESSION  
2023-24**



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# Summer vacation Home work

## Class: 4<sup>th</sup>

**Note: Summer Vacation Home work must be completed in full. Attempt the questions on loose sheets . File containing all loose sheets must be submitted on the first day after vacation.**

**Subject: Mathematics**

### Vacation Task

Sr.No	Student Learning Objectives	Problems/Task/Exercises																				
1.	Identify place value of digits up to one hundred thousand	i)619,273 ii)901,452 iii)756,432 iv)357,567 v)826,514 vi)541,902 vii)364,753																				
2.	Write numbers up to one hundred thousand	i)Six hundred nineteen thousand, two hundred and seventy three. ii)Four hundred thousand and sixty one. iii)Six hundred and twenty-one thousand, one hundred and five. iv) Five hundred and fifteen thousand. v) One hundred and five thousand and hundred. vi)Three hundred and eight thousand four hundred and four																				
3.	Compare numbers in ascending and descending order.	i)The price of three mobile phone models are Rs.62,870 , Rs. 78,200 and Rs.75,110 respectively. Compare their prices. ii)The diameter of Earth is 12,742 kilometers. The diameter of Venus is 12,104 kilometers. How can we compare the diameters of both planets? iii)Compare 8,799 , 22,234 , 22,229 iv)Compare 19,375 , 12,921 , 14,131 v) Compare 59,312 , 60,337 , 24,085																				
4.	Addition of numbers up to 5-digits	<div>i)Complete the following addition table.<table><tr><td>Ten thousands</td><td>Thousands</td><td>Hundreds</td><td>Tens</td><td>Ones</td></tr><tr><td>5</td><td></td><td></td><td>3</td><td></td></tr><tr><td></td><td>2</td><td>9</td><td></td><td>4</td></tr><tr><td>+ 7</td><td>9</td><td>4</td><td>1</td><td>8</td></tr></table></div> <div>ii) In town A , the total votes cast were 54,372, In town B the total votes cast were 25,617, Can we find</div>	Ten thousands	Thousands	Hundreds	Tens	Ones	5			3			2	9		4	+ 7	9	4	1	8
Ten thousands	Thousands	Hundreds	Tens	Ones																		
5			3																			
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		<p>out how many votes were cast in both towns altogether?</p> <p>iii) Solve <math>45,234 + 12,345</math></p> <p>iv) Find two numbers from the given numbers whose sum is 78,448 46,924 , 72,876 , 31,524 , 66,234 , 89,076</p> <p>v) An airplane covers 11,270 kilometers from Peshawar to Toronto. The same plane covers approximately 10,921 kilometers from Toronto to Lahore. Find the total distance covered.</p>
5.	Subtraction of numbers up to 5-digits	<p>i) Animals that have backbones in their bodies, are called Vertebrates. There are 66,178 types of vertebrates, out of which 32,900 types are fish. How many vertebrates are there other than fish?</p> <p>ii) When zero is taken away from a number the answer is always?</p> <p>iii) Solve <math>99,754 - 67,584</math></p>
6.	Compare the given increasing and decreasing number sequence and identify the rule	<p>i) 106,95,84,73,62,..... , .....</p> <p>ii) 100,90,80,70,60,..... , .....</p> <p>iii) 3,9,15,21,27,..... , .....</p> <p>iv) 5 , 10 , 15 , 20 ,..... , .....</p>
7.	Use divisibility tests for 2,3,5 and 10 on numbers.	<p>i) 54,22 , 6,879 , 80 , 950 , 9,690 , 63</p> <p>ii) Write 5 numbers that are divisible by 2 and 3.</p> <p>iii) Ammar has Rs.5,040 . Is this amount divisible by 3?</p> <p>iv) The total number of pages in a book are 98,230. Can we divide these pages into groups of 5 ?</p>

## Vacation Project

Students have to complete one project to practice the practical application of knowledge. Following is the detail of project.

Student learning objectives	Project details	Project deliverables details
Use divisibility tests for 2, 3 5 and 10 on numbers up to 5 digits .	Make flash cards of numbers . By using divisibility rules, list numbers that are divisible by 2,3,5 or 10	<p>Students will provide flash cards of numbers .Make red flash cards for numbers those are divisible by 2.</p> <p>Make green flash cards for numbers those are divisible by 3.</p> <p>Make yellow flash cards for numbers those are divisible by 5.</p> <p>Make blue flash cards for numbers those are divisible by 10</p>