# Appendices

ધોરષ્ન : 5 વિદ્યાર્થીનું	શ્રી આર. એસ. કાલરીયા પ્રાયમરી સ્કુલ અંકગશ્વિત પૂર્વ પરીક્ષણ નામ :	કુલ	ગુણ	: 60
(1)	ા પ્રશ્નોનનો જવાબ યોગ્ય વિકલ્પ પસંદ કરીને આપો. જે સંખ્યાનો દશકનો <sup>ન</sup> અંક હોય તેવી બે અંકની સૌથી મોટી સંખ્યા કઈ છે ?	(	)	10
(2)	(A) 70 (B) 97 (C) 79 (D) 71 જે સંખ્યાનો દશકનો અંક 5 હોય તેવી બે અંકની સૌથી નાની સંખ્યા કઈ છે ?	(	)	
(3)	(A) 55 (B) 59 (C) 15 (D) 51 중નો એકમનો અંક 2 હોય તેવી બે અંકની સૌથી મોટી સંખ્યા કઈ છે ?	(	)	
(4)	(A) 92       (B) 29       (C) 21       (D) 12         8, 2 અને 4 થી બનતી ત્રણ અંકની સૌથી નાની સંખ્યા જજ્ઞાવો         (A) 248       (B) 482       (C) 842       (D) 824	(	)	
(5)	(A) 248 (B) 482 (C) 842 (D) 824 5, 4 અને 9 થી બનતી ત્રજ્ઞ અંકની સૌથી મોટી સંખ્યા જજ્ઞાવો (A) 459 (B) 594 (C) 954 (D) 495	(	)	
(6)	(A) 25 (B) 37 (C) 42 (D) 475 નીચેનામાંથી કઈ સંખ્યાને 3 વડે નીઃશેષ ભાંગી શકાય છે ? (A) 25 (B) 37 (C) 42 (D) 40	(	)	
	(A) 1 · (B) 5 (C) 9 (D) 8	(	)	
(8)	સૌથી પ્રથમ વિભાજય સંખ્યા કઈ છે ? (A) 2 (B) 1 (C) 3 (D) 4	(	)	
(9)	નીચેનામાંથી કઈ સંખ્યા 12 નો અવયવ છે ? (A) 4 (B) 8 (C) 5 (D) 24	(	)	
(10)	નીચેનામાંથી કઈ સંખ્યા 11 નો અવયવી છે ? (A) 1 (B) 2 (C) 33 <sup>'</sup> (D) 20	(	)	
પ્ર. 2 ખાલ	<b>ો</b> જગ્યા પૂરો.			10
(1)	1 કરોડ =લાખ			
(2)	$362 = 300 + \dots + 2$			
(3)	$1850 = 1000 + \dots + 50 + \dots$			
	ગુણાકાર માટેનો એકમ ઘટક છે.			
	65 = 13 ×			
	$0 \div 5 = \dots$			
	એ દરેક સંખ્યાનો અવયવ છે. એ વિભાજય કે અવિભાજય સંખ્યા નથી.			
	અ વિભાજય કે આવેભાજય સંબ્યા નયા. 15 નો મોટામાં મોટો અવયવછે.			
	15 ના માટાના માટા અવવવ છે. 3 અને 7 નો લ.સા.અ છે.			
	ચેની સંખ્યાઓના અવિભાજય અવયવ પાડો.			6
(1)	75			<b>.</b>
(2)	88			
(3)	48			

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પ્રશ્ન 4 નીચેની સંખ્યાઓનો ગુ.સા.અ. શોઘો.						
(1) 12 અને 32	(2) 15 અને 20	(3) 22 અને 44				
પ્રશ્ન 5 નીચેની સંખ્યાઓનો લ.સા.અ. શોધો.						

(1) 8 અને 20	(2) 10 અને 24	(3) 16 અને 30

પ્રશ્ન 6 ગણતરી કરો (નીચેના દાખલા ગણો)

(1)	4258	(2)	2980	(3)	147	(4)	843
	+ 2850		+ 5215		× 28		× 56
	+ 9219		+ 7224		***************************************		

(5)	8982	(6)	1071 ÷ 7
	<u> </u>		

પ્રશ્ન 7 નીચેના વિધાનો ખરાં છે કે ખોટાં તે જજ્ઞાવો

¥...

(1) 26544 એ 7 વડે નિઃશેષ ભાગી શકાય છે. ( ) (2) 455 એ 10 વડે વિભાજ્ય છે. ( ) (3) 2 એ સૌથી પ્રથમ અવિભાજય સંખ્યા છે ( ) (4) અવિભાજ્ય સંખ્યાને ફક્ત બે જ અવયવ હોય છે. ( ) (5) 10 અને 15 નો ગુ.સા.અ. 10 છે. ) ( (6) **50 એ 5 નો અવયવી છે**. ) ( (7) 2 ના અવયવી હંમેશા બેકી સંખ્યા જ હોય છે. ( ) (8) 10 ના અવયવીનો એકમનો અંક 5 અને 0 જ હોય શકે. ) ( (9) 1 થી 10 વચ્ચે કુલ પાંચ અવિભાજય સંખ્યા આવેલ છે. ( ) (10) કોઈપણ સંખ્યાના અસંખ્ય અવયવી આવેલ હોય છે. ) (

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શ્રી આર. એસ. કાલ <del>દા</del> યા પ્રાયમરી સ્કુલ ઘોરજ્ઞ : ઽ અંકગક્ષિત <sup>ં</sup> પ્રશ્યાત પરીક્ષજ્ઞ વિદ્યાર્થીનું નામ :	કુલ	ગુદ્ય :	60
પ્ર. 1 નીચેના પ્રશ્નોનનો જવાબ યોગ્ય વિકલ્પ પસંદ કરીને આપો.			10
(1) જે સંખ્યાનો દશકનો અંક 7 હોય તેવી બે અંકની સૌથી મોટી સંખ્યા કઈ છે ?	(	) .	
(A) 70 (B) 97 (C) 79 (D) 71 (2) જે સંખ્યાનો દશકનો અંક 4 હોય તેવી બે અંકની સૌથી નાની સંખ્યા કઈ છે ?	(	)	
(A) 44 (B) 49 (C) 14 (D) 41	· ·	,	
(3) જેનો એકમનો અંક 3 હોય તેવી બે અંકની સૌથી મોટી સંખ્યા કઈ છે ?	(	)	
(A) 93 (B) 39 (C) 31 (D) 13 (a) $\pi + 2\pi +$	,	`	
(4) 7, 3 અને 5 થી બનતી ત્રણ અંકની સૌથી નાની સંખ્યા જજ્ઞાવો	(	)	
(A) 735 (B) 357 (C) 573 (D) 375 (c) $(x + y) = x + y + y + y + y + y + y + y + y + y +$	(	)	
(5) 5, 4 અને 2 થી બનતી ત્રણ અંકની સૌથી મોટી સંખ્યા જણાવો	(	)	
(A) 452 (B) 542 (C) 254 (D) 425 (6) નીચેનામાંથી કઈ સંખ્યાને 3 વડે નીઃશેષ ભાંગી શકાય છે ?	(	)	
	(	)	-
(A) 25 (B) 37 (C) 48 (D) 40 (7) નીચેનામાંથી કઈ સંખ્યા અવિભાજય સંખ્યા છે ?	(	)	
	(	)	
(A) l (B) 5 (C) 9 (D) 8 (8) સૌથી પ્રથમ વિંભાજય સંખ્યા કઈ છે ?	(	)	
	(	,	
(A) 2 (B) I (C) 3 (D) 4 (9) નીચેનામાંથી કઈ સંખ્યા 10 નો અવયવ છે ?	(	)	
	(	)	
(A) 4 (B) 8 (C) 5 .(D) 20 (10) નીચેનામાંથી કઈ સંખ્યા 11 નો અવયવી છે ?	(	)	
(A) 1 (B) 2 (C) 55 (D) 20	ι.	,	
પ્ર. 2 ખાલી જગ્યા પૂરો.			10
(1) 1 લાખ = હજાર.			
(2) $382 = 300 + \dots + 2$			
(3) $4722 = 4000 + \dots + 20 + \dots$			
(4) ગુણાકાર માટેનો એકમ ઘટકછે.			
(5) $85 = 5 \times \dots$			
(6) $0 \div 9 = \dots$			
(7)એ દરેક સંખ્યાનો અવયવ છે.			
(8) એ વિભાજય કે અવિભાજય સંખ્યા નથી.			
(9) 12 નો મોટામાં મોટો અવયવ છે.			
(10) 5 અને 9 નો લ.સા.અ છે.			
પ્રશ્ન ૩ નીચેની સંખ્યાઓના અવિભાજય અવયવ પાડો.			6
(1) 45			Ū
(2) 56			
(3) 36			

પ્રશ્ન 4 નીચેની સંખ્યાઓનો ગુ.સા.અ. શોધો. 6 (1) 16 અને 30 (3) 20 અને 45 (2) 18 અને 12 પ્રશ્ન 5 નીચેની સંખ્યાઓનો લ.સા.અ. શોઘો.

(1) 10 અને 15	(2) 18 અને 24	(3) 22 અને 55
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પ્રશ્ન 6 ગણતરી કરો (નીચેના દાખલા ગણો)

(1)	3529	(2)	1712	(3)	135	(4)	745
	+ 1822		+ 4351		× 49		× 56
	+ 8735		+ 9768	•			

(5)	8982	(6)	1085 ÷ 7
	- 6895		

પ્રશ્ન 7 નીચેના વિધાનો ખરાં છે કે ખોટાં તે જણાવો (1) 26502 એ 7 વડે નિઃશેષ ભાગી શકાય છે. ( ) 365 એ 10 વડે વિભાજય છે. ( ) (3) 2 એ સૌથી પ્રથમ અવિભાજય સંખ્યા છે ) ( (4) અવિભાજય સંખ્યાને ફક્ત બે જ અવયવ હોય છે. ) ( (5) 10 અને 15 નો ગુ.સા.અ. 10 છે. ) ( (6) 35 એ 5 નો અવયવી છે. ) ( (7) 2 ના અવયવી હંમેશા બેકી સંખ્યા જ હોય છે. ) ( (8) 10 ના અવયવીનો એકમનો અંક 5 અને 0 જ હોય શકે. ) ( (9) 1 થી 10 વચ્ચે કુલ પાંચ અવિભાજય સંખ્યા આવેલ છે. ( ) (10) કોઈપણ સંખ્યાના અસંખ્ય અવયવી આવેલ હોય છે. ( )

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#### Activity-1

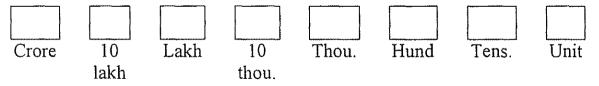
#### **Specific Objectives:**

- $\succ$  Students will be able to understand place value.
- Students will be able to find place value of any digit in any number.
- > Students will be able to read large numbers.
- > Students will be able to write the numbers in expanded form.

#### Activity:-

First of all the class is divided into two groups and these groups are taken to the ground. The two groups play the game. Out of the two groups, one group starts the game. For this

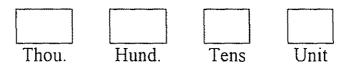
- Researcher assigns numbers 0 to 9 to some students.
- > Eight squares are marked on the ground.
- On these squares unit, tens, hundred, thousand, ten thousand, lakh, ten lakh and crore is indicated as below:-



Now the musical chair game is started. The students assigned with numbers move around the squares and when music stops they stand on the squares. The number so found is read by the opponent group. The same activity is repeated for 5 times. Now the groups are reversed and the same activity is repeated for 5 times.

The researcher ensures that each and every student is able to read the number as large as crore.

In the next round of the same activity the researcher removes four squares. Now only four squares are left;



The same numbers more around the squares and takes the position when music stops. Suppose the number so obtained is 4357

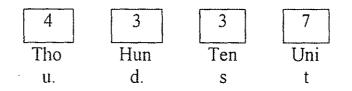
Researcher explains that if 4 comes in place of thousand then it's place value becomes 4x1000 i.e. 4000. Likewise the place values of 3,5 and 7 is 3x100=100; 5x10-50 and 7x1=7.

Researcher ensures that each student is able to find the place value.

The same activity is used to explain the expansion of numbers. Like the above number can be written as

4000+300+50+7 (expanded form)

Researcher ensures that students are able to write the numbers in expanded form. The activity is performed for several times so that students can write any number in expanded form.



# **Activity 1 Multiples**

# **Objectives:-**

Students should be able to:-

- (1) Find the multiples of any number
- (2) Understand the concept of multiples

Material used: "Gillie danda"

- 1. Researcher first of all takes the students to the play ground of the school.
- 2. He tells the rules to play "gilli and danda".
- 3. During the play 'dande' of different lengths are taken and a definite number is given to each 'danda".
- 4. During the measurement of distance by students, researchers observes how they measure the distance.
- then he asks students have do they measure the distance and how do they get particular number.
- 6. Some students reply that they read the table of the number assigned to that particular "danda". Some other students reply that they go on adding the same number.
- 7. Researcher now emphasis that if any number is multiplied by natural numbers then the numbers so obtained are called the multiplies of that number:-

For e.g. 5x1 = 5 5x2 = 10 5,10,15 are multiples of 5. 5x3 = 15

8. Researcher now asks students to tell the multiples of 3,4,6 and 7 and ensures that concept of multiples is clear to students.

### Activity: Lowest Common Multiples (L.C.M.)

Objectives: Students should be able to

1. Find the lowest common multiple.

Material used: 2 Empty boxes, copy, pen, marbles.

- Researcher keeps 2 empty boxes in the middle and asks four students to come. Two students stand in front of one box. One of their two students given marbles and the other one keeps one copy and a pen with him. Likewise two other students stand in front of other box.
- 2. The first pair is given instruction that they have to fill the box with marbles in group of three. The other pair fills the box in group of four marbles at a time.
- 3. The other student of each pair writes the total number of marbles collected in its respective box.
- 4. Researcher asks to point out the situations when both pair of students have some number of marbles, students list the situations when they get same number of marbles.

- 5. Now the researcher asks that in these situations how many marbles are there. Students answer 12, 24, 36, 48 etc.
- 6. Students are asked the lowest equal number of marbles, students answer "12".,
- Now researcher explains that "12" is the lowest common multiple of 3 and 4.

He generalizes that for any given numbers first of all their multiples are found and then from their same multiples the least multiple is selected. This selected multiple is called lowest common multiple of those numbers.

- Activity: Factors: composite number and prime number.
- Material: Marble, copy, pen
- Objective: Students should be able to
- $\succ$  Find factors of given numbers.
- > Identify composite number and prime number.
- > Distinguish composite number and prime number.

- 1. Researcher distributes marbles to students and give them instruction to make different groups of marbles in such a way that in each group number of marbles remain same but no marble is left behind.
- 2. Students are given 6 marbles and according to instruction they make certain groups. The groups they form may be as follows:-

- 3. Researcher explains that each time we divide 6 in equal parts and every time we get the same product. 6 can be divided in four ways.
- 4. Here the no. of groups and no. of marbles in each group are the factors of six. Therefore factors of 6 are, 1,2,3,&6.
- 5. In the same way students are given 7 marbles and they are told to make the groups. Students try but fail. They say that for this particular number only two groups are possible (1) One group having seven marbles (2) Seven groups having seven marbles.
- 6. Researcher asks the factors for 7 students reply that there are only two factors for 7 i.e. 1 and 7.
- 7. Researcher explains that any number having only two factors is called 'prime number', and the number having more than two factors is called "composite number". For e.g. 4,8,10. etc.
- Activity : Highest common factor
- Materials : Copy, pen, marbles.

- Researcher keeps two boxes in front of students and tells them that one of the box has to be filled with 12 marbles and other box with 18 marbles.
- 2. They can put the marbles in box one by one or in groups.
- Researcher asks the no. of groups of marbles which students would like to fill in both the boxes.

- 4. Students reply that for the 1 box in which 12 marbles are to be filled, may be done in following ways:-
  - (1) One by one
  - (2) In groups of two
  - (3) In groups of three
  - (4) In groups of four and
  - (5) In groups of sin.

Likewise for the second box they answer:-

- (1) One by one
- (2) In groups six.
- Now researcher asks the same groups which are used in two cases, they answer.

(1) In 1's (2) In 2's (3) In 3's (4) In 6's

- 6. He asks that identify the group which is having highest number of marbles and it is common to both cases, students answer that highest common group of 'six".
  - Now researcher explains that '6' the highest common factor (H.C.F.) of 12 and 18.
  - 8. Researcher gives some examples and ensures that students are able to find out H.C.F.

# Activity-2

## Alternative method

Objectives : Students should be able to

- > Understand the use of alternative methods.
- Apply the alternative methods to solve the problems.
- Practice basic mathematical operations through new alternative methods.

# **Procedure :**

- 1. Researcher gives some multiplication exercise to children asks them to solve.
- 2. Now he introduce a new method through which multiplication of any two numbers between 10 and 20 can be done quickly.
- 3. He gives some examples and solve multiplication in two steps.

```
Eq.-1 12 x 18
```

Ι	Step = 12 + 8 = 20 (tens)
II	Steps = $2 \times 8 = 16$ (ones)
	20  tens + 16  ones = 200 + 16 = 216

Eq.2 15 x 19

I Step = 15 + 9 = 20 (tens)

II Steps = 
$$5 + 9 = 14$$
 (ones)

24 tens + 14 ones = 240 + 14 = 254

4. Now the researcher asks students to solve some other problems of multiplication using the same method, students solve the problems in their notebooks. Researcher ensures that students have solved the problem correctly.

5. Having ensured that students are able to solve, researcher introduces another method to solve multiplication. For this he gives some instructions to students.

# **Instructions :**

- 1. Take any two numbers having two digits each.
- 2. Make half of the first number and double of the second.
- 3. Do the same thing till you get one in one of the two columns.
- 4. Now add all the numbers in second column that are opposite the add numbers in the first column.

Researcher given an example -

Multiply	68 x 26
half of the first and	34 x 52
double of the second	17 x 104
	8 x 208
	4 x 416
	2 x 832
	1 x 1664
Add all the numbers	104
in second column that	<u>+ 1664</u>
are opposite the odd	1768
numbers in the first colu	mn.

Here a note is given to students -

- Note: If you get such number where half is not a complete number then its proceeding number and then make its half.
- 5. Researcher introduces another method for multiplication .
- 6. He prepares eight strips of paper through which multiplication sin shown.

	2	3	4	5	6	7	8	9
1	0	0	0	0	0	0	0	0
	2	3	4	5	6	7	8	9
2	0	0	0	1	1	1	1	
	4	6	8	0	2	4	6	8
3	0	0	1	1	1	2	2	2
	6	9	2	5	8	1	4	7
4	0	1	1	2	2	2	3	3
-	8	2	6	.0	4	8	2	6
5	1	1	2	2	3	3	4	4
	0	5	0	5	0	5	0	5
6		1	2	3	3	4	4	5
-	2	8	4	0	6	2	8	4
7		2	2	3	4	4	5	6
8	4	$\frac{1}{2}$	8	5	2	9	6	3
0	6	4	2	4	4	5	6	7
9		2	3	4	8	6	4	2
7	8	7	6	5	4	6 3	7	8
	L	L1			<u> </u>		2	<u> </u>

- 7. With the help of this researcher introduces latter are placed multiplication of two digits. In this the products within the proper bisected rectangles and added diagonally for the sum.
- 8 He gives following examples

9. In the same way 3 digit and 4 digit multiplication is also explained.

= Objectives - same

# **Procedure :**

- 1. Researcher introduces an alternative method for summation in which on of the number is written in expanded form and then they are added.
- 2. He gives some examples –

(i) 35 + (20 + 3)35 + 23 (35 + 20) + 3= 55 + 3 = 58 = 158 + 38 (ii) 158 + (30 + 8)...... 188 + 8.....

3. He gives some more examples.

### Puzzle one - Proving your age -

- (i) Multiply the number the number a by any other number lower than?
- (ii) Subtract this product from 10 times your age.
- (iii) The first two digits plust the last digit gives you your age

e.g. 
$$9 \ge 6 = 54$$
  
 $10 \ge 30 \text{ (age)} = 300$   
 $300 - 54 = 246$   
 $24 + 6 = 30 \text{ (Your age)}$ 

#### Puzzle two - Number is always 5

- (i) Write any number
- (ii) Add the next highest number
- (iii) Add 9 to the sum
- (iv) Divide by 2 and subtract the original number
- (v) The result is always 5.

e.g. 
$$5+6 = 11$$
  
 $11+9 = 20$   
 $20 \div 2 = 10$   
 $10-5 = 5$ 

# Puzzle three – multiplying by 9

- (i) Multiply any number by 9
- (ii) Check but the sum of the digits in the answer
- (iii) The remainder will be exactly divisible by 9
- e.g. 16 (number chosen) 61 (reversed) Subtract 45 45 is divisible by 9

Puzzle 5 Number is always 10, 890

- 1. Write four of the larges digits in descending sequence –
- 2. Reverse the order the and subtract
- 3. Reverse again and add result is always 10, 890

8765 - <u>5678</u> 3087 + <u>7803</u>

#### <u>10890</u>

# Puzzle 6 - Guessing a number

- 1. Pick any number 1 through 8
- 2. Multiply the number by 3
- 3. Add one to the product
- 4. Multiply the sum by 3
- 5. Add 8 to the product
- 6. The answer is the tens figures of the sum

e.g. 5 + 3 = 15 15 + 1 = 16  $16 \div 3 = 48$  48 + 8 = 56Answer is 5 (tens figure of sum)

Puzzle 7 : The figure 9

Look at the table of 9 and observe the pattern.

 $1 \times 9 = 9$   $2 \times 9 = 18$  - The ones column in the products decrease in order  $3 \times 9 = 27$  - The tens column in the products increase in order  $4 \times 9 = 36$  - The sum of each product totals 9  $5 \times 9 = 45$   $6 \times 9 = 54$   $7 \times 9 = 63$   $8 \times 9 = 72$  $9 \times 9 = 81$  Puzzle 8 : The Mystery number

Instructions – Use each number once

Cross out the number when it is used

- 1. Two numbers whose sum is 3
- 2. Two number whose sum is 9
- 3. Two numbers whose sum is 12
- 4. Two numbers whose sum is 15
- 5. The number that is left is the mystery number 7

Puzzle 9 : Arrange the numerals 1 through 9 in such a way that the sum is

100		
47	98	47 + 15 + 36= 98
15	2	98 + 2 = 100
<u>36</u> 98	<u>100</u>	

# Puzzle 10 :

- As nail climb up a fence 20 feet high, fine fect every day and slip down four feet every night. At this rate how long will it take the snail to reach the top ?

Answer 16 days

It gains one foot every day (5-4 = 1) for 15 days on the 16<sup>th</sup> day be climbs over the top.

1	2	3
4	5	6
7	8	9

#### Activity

- Objective:- To find out prime factors of any given number
- Material: Marbles

#### Procedure:-

- Teacher divides the class into two groups.
- Both the groups are provided with same number of marbles. First the teacher gives is marbles each to both the groups.
- Teacher asks students to divide those marbles in groups entailing same number of marbles.
- First group divides the marbles in two groups of nine each second group divides the marbles in 3 groups of pix each.
- Teacher again asks them to divide further.
- Both the groups find the factors of 18 2x3x3 at last.
- If in the same manes teacher given any prime number them they are not able to factions. Than the teacher explains that factors of such number are one and the numbers it self like 17.

#### Activity:- Alternative method of multiplication and division.

#### Objective:- To drill and practice

#### Procedure: -

- 1. Teacher asks students to take two numbers. Suppose they take 3 and 4. Teacher tills them that  $3 \times 4$  means adding 3. 4 times like  $3 \times 4 = 3 + 3 + 3 + 3 = 12$
- 2. Like will division of 12 by 3 mean subtracting 3 from twelve till remainder obtained is 'O' or it is less than the divider. The number of times the process is being done is the quotient.

12/3 = 12 - 3 = 9; 9 - 3 = 6; 6 - 3 = 3; 3 - 3 = 0

Total 4 times the process in being done so the answer is 4

- 3. Teacher asks to divide 5 by 0 to get the answer infinite.
- 4. When students seem enable to do the job them teacher explains the process 5-0 = 5; 5 0 = 5.....

We stop the process when we get 0 but here is this case if Subtraction is carried on for infinite times then also we can not get 0. Therefore the arouses is 0. 5. In the same way,

Teacher asks to divide O by 5 to get the answer 'O'

When students been unable to do the job then teacher explains the process.
 He explains that here the dividend is already gesso so the process is not required

even for single time. That is why the answer is zero.

Activity: Alternative method to find LCH

**Objective:** - So find LCH using alternative method

#### Procedure: -

- 1. Teaches gives instructions
- Take two distinct numbers. For example 8 and 12
- Subtract smaller number from greatest number
- Divide the answer by smaller number
- Write the answer which in the form of fractional number
- Take denominator from this fractional number and multiply it with greater number.

The answer so obtained is the L.C.H. of given two members.

Activity:- Alternative method to find HCE

**Objective:-** So find HCF using alternative method

#### Procedure: -

Teacher gives instructions: -

- Take two distinct numbers. For example 12 and 18
- Divide greater number by smaller number
- If remainders are obtained then divide smaller number by remainder. If again remainder is obtained then
- Do the same process until the remainder is not obtained
- It remainder is not obtained then the smaller number of the two distinct numbers is the HCF of the two numbers.

# THE SCORES OBTAINED BY THE LEARNERS IN THEPRE TEST AND POST TEST ARE AS UNDER:

NO.	STUDENT'S NAME	PRE TEST	POST TEST	I.Q. LEVEL
		MARKS	MARKS	
1	TRIVEDI HAMINI	35	40	Average
2	DOBARIYA PANKTI	38	41	Average
3	BANUGARIYA MEGHA	24	32	Below Average
4	LADANI RAJ	47	49	Above Average
5	MENDAPARA VIHAR	46	48	Above Average
6	CHAPLA MANSI	20	28	Below Average
7	BHESDADIYA MANAN	45	46	Above Average
8	KARIYA VATSAL	33	40	Average
9	BHUVA KRISHNA	22	28	Below Average
10	SUREJA VITHTHESH	38	42	Above Average
11	MARADIYA JEET	20	26	Below Average
12	KAKKAD DEEP	41	45	Above Average
13	BHATT YESHA	46	47	Above Average
14	VAKHARIYA JUMANA	19	27	Below Average
15	TRAMBADIYA YASH	48	50	Above Average
16	ZANZRUKIYA HARSH	44	46	Above Average
17	JADEJA NARENDRA	42	43	Above Average
18	HIRPARA MILEE	40	44	Average
19	MEHTA KRUTI	34	38	Average
20	KALARIYA JIGAR	29	35	Average
21	TRAMBADIYA PRINCE	45	47	Above Average
22	MARVANIYA	46	48	Above Average
	BHARGAV			
23	GOPANI RAVI	38	42	Average
24	TILVE JINAL	48	51	Above Average
25	PAMPANIYA DARSHAN	25	30	Average

### SHRI R.S. KALARIYA PRIMARY SCHOOL, JUNAGADH

26	KANTESARIYA	25	31	Average
	BHARGAV			
27	<b>DHADAKIYA VED</b>	19	24	Below Average
28	VASANI MILAN	19	25	Below Average
29	VIRAMGAMA RUTVI	31	37	Average
30	RAVALIYA DEVEN	37	41	Average
31	KALARIYA VATSAL	47	48	Above Average
32	TRAMBADIYA TEJAS	40	43	Average
33	SHINIJIYA DIKSHITA	22	25	Below Average
34	MENPARA HIMA	43	46	Above Average
35	JAMBUDIYA MANSI	41	44	Above Average
36	KELAIYA MANSI	30	37	Average
37	DAVE AMI	42	46	Above Average
38	HIRANI PARTH	26	29	Average
39	MODI PRIYAL	23	30	Below Average
40	BATHANI SHYAM	18	24	Below Average
41	KANERIYA MARGI	18	26	Below Average
42	GONDALIYA TEJAS	29	34	Average
43	BALDANIYA KARAN	31	36	Average
44	PATEL KISHAN	22	28	Below Average
45	DANGAR MITAL	47	48	Above Average
46	KINJAL	20	28	Below Average
47	HINSU RIDHDHI	16	24	Below Average
48	BHARAI PRASHANT	48	53	Above Average
49	RAITHTHA HARDIK	47	50	Below Average
50	CHAVDA HIRAL	20	26	Average
51	PAREKH PUJA	8	20	Below
52	PARAMAR KARAN	25	31	Average

### RAMESHWAR VIDUYA MANDIR, MAJEVADI

NO.	STUDENT'N NAME	PRE TEST	POST TEST	I.Q. LEVEL
		MARKS	MARKS	
1	GOHEL HARDIK	29	33	Average
2	PONKIYA RASHMIT	17	23	Below Average
3	GAJERA AAKASH	13	21	Below Average
4	HIRANI NEELAM	19	25	Below Average
5	KARELIYA NEHA	16	24	Below Average
6	GAJERA SHIVANG	15	24	Below Average
7	DESAI HARDIK	17	26	Below Average
8	PABANI KISHAN	27	34	Average
9	THUMMAR SAGAR	18	27	Below Average
10	PABANI SAGAR	29	36	Average
11	JODHANI CHIRAG	15	25	Below Average
12	MAKWANA RAVI	18	28	Below Average
13	PONKIYA ALKA	44	46	Above Average
14	PUCHCHADIYA	47	48	Above Average
	KOMAL			
15	JODHANI NAMRATA	42	47	Above Average
16	GARACHH NIYATI	34	39	Average
17	PONKIYA KINJAL	33	39	Average
18	SIDHPARA NOUKA	41	43	Above Average
19	SUREJA KISHAN	40	44	Above Average
20	THUMMAR DIKSHIT	32	38	Average
21	VAGADIYA KEVAL	34	42	Average
22	GAJERA AJAY	38	42	Above Average
23	VAGADIYA BANSI	39	42	Above Average
24	DHOLARIYA	26	33	Average
	JAYDEEP			
25	PONKIYA PAYUSH	20	27	Below Average
26	PICHCHADiYA	27	34	Average
	VARSHA			

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27	MATHUMYA	28	34	Average
	JAYDIEP	×		
28	PONKIYA	28	35	Average
29	DHOLAPTYA	27	26	Average
	BHAVY TA			
30	VEKARIYA ANDIYA	20	26	Below Average
31	MAKWAN RUPTI	30	34	Average
32	RAYJADA	33	38	Average
33	VANVITATIKA	32	37	Average
34	SOJITRA VA BHAV	30	37	Average
35	VASOLIY	44	48	Above Average
36	THOLARIY RONAK	26	31	Average
37	RUDANI	18	25	Below Average
38	RAYJADA TRUPTI	19	27	Below Average
39	SOJITRA SECEYASH	19	24	Below Average
40	JODHANI RAHUL	28	32	Average
41	PONKIY	20	27	Below Average
42	JODHANI SANDIP	29	35	Average
43	VADGAMASABBIR	32	38	Average