

BAL BHARATI PUBLIC SCHOOL, PITAMPURA, DELHI – 110034 SUBJECT-MATHEMATICS **TERM 1 (2020 - 2021) TOPIC-DIVISION**

NAME - _____ CLASS IV/ SEC __DATE -05/10/2020 - 09/10/2020

Learning outcomes: -

Each child will be able to-

a) identify the pattern of division by 10,100 and 1000 and solve it orally also.

b) attempt division by 1-digit number based on the previous knowledge.

c) verify their answer of division correctly by applying the given formula.

DIVISION BY 10,100 AND 1000

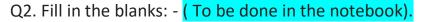
7596 ÷ 1 <u>0</u> (One zero)	= 759 and 6(Only 1 last digit)	So, Q= <mark>759</mark> , R = <mark>6</mark>
7596 ÷ 1 <u>00(</u> 2 zeroes)	= 75 and 96(Last 2 digits)	So, Q = <mark>75</mark> , R = <mark>96</mark>
7596 ÷ 1 <u>000(</u> 3 zeroes)	= 7 and 596(Last 3 digits)	So, Q= <mark>7</mark> , R= <mark>596</mark>
We observe, whenever we div	ide any number by 10, 100 or 10)00 , the <mark>digits equal</mark> to

the number of zero/es in the divisor becomes the Remainder and rest of the number left in the dividend becomes the Quotient.

Q1. Find the number of digits in the quotient and remainder. (To be done in the

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nc	te	bo	O	K)	•

Question	Number of digits in Quotient	Number of digits in remainder
a) 543 ÷ 10		
b) 3098 ÷ 100		
c) 2178 ÷ 1000		
d) 98061 ÷ 100		
e) 7462 ÷ 1000		
f) 4715 ÷ 10		



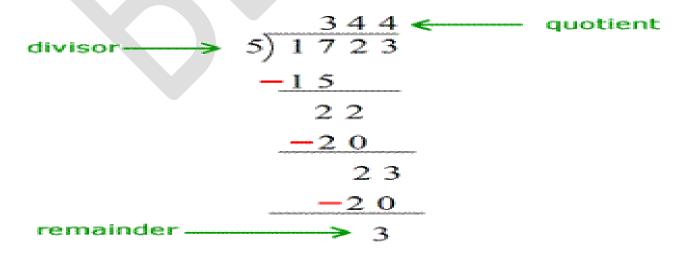
		<mark>Quotient</mark>		Remainder	
a)	3412 ÷	_ = _			
b)	5098÷	_ =	5		
c)	÷ 100	=	45	24	
d)	÷ 1000	=	9	981	
e)	44600 ÷	=	44		

https://www.iknowit.com/lessons/e-multiplying-anddividing-whole-numbers-by-10-100-1000.html

Students, by clicking on this link you will be able to attempt a quiz based on the above given concept and check your progress.

RELATION BETWEEN DIVIDEND, DIVISOR, QUOTIENT AND REMAINDER

Let's understand this with the help of the given example-



	.	
	22	
	344	Quotient
	<u>X 5</u>	<u>X Divisor</u>
	1720	
	+ 3	+ Remainder
	<u>1723</u>	= Dividend
We observe that , Divid	dend = Quot	ient X Divisor + Remainder
The chave relation is a		which the result of Division (

The above relation is also used to verify the result of Division. So, we also call it as formula of CHECKING / VERIFICATION of Division.

Q3. Divide and check your answers:-(To be done in the notebook).

a) 9435 ÷ 4

b) 1028 ÷ 8

c) 6783 ÷ 9

Dear students, Let's now recapitulate the given concepts through the help of this video. <u>https://youtu.be/5W0G6DkV-kQ</u>

Students, now you can play this game and enjoy.

DIVISION GAME

Choose a number from each of the rows below and work out the division fact.							
120	320	240	360	280	200	270	420
			_				
20	30	4	5	60	70	8	9
Four in a line wins!							
		$\overline{}$			$\overline{}$	\frown	
4	6	50	40	30	50	2	90
10		2	50	70	4		80
30		7	40	9	10		6
4	5	0	8	30	7		40
9		6	20	60	8		30
40		2	50	7	5		80