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ાવશાય	LG	(Affili	ated to CBSE u	p to +2 Leve	el)
CLA	SS: VIII		SUB.: MATHS		DATE: 18-05-2021
1. What will be the unit digit of the squares of the following numbers?					
(i)	81	(ii) 272	(iii) 799	(iv) 3853	(v) 1234
(vi) 26387	(vii) 52698	(viii) 99880	(ix) 12796	(x) 55555
So	l: (i) 81				
U	nit digit of 81 is 1				
• 1	$1 \times 1 = 1$				
:	The unit's digit of	of $(81)^2$ will be 1.			
(ix) 12796				
Ur	nit digit of 12796	is 6			
	$: 6 \times 6 = 36$				
Ur	nit digit of 36 is 6				
	The unit's digit o	f (12796) ² will be	6.		
2.	2. The following numbers are obviously not perfect squares. Give reason.				
	(i) 1057	(ii) 23453	3 (iii) 7928	3 (iv) 2	222222
	(v) 64000	(vi) 8972	2 (vii) 2220	OOO (viii)	505050
So	l: (i) 1057				
	Since, the end	ing digit is 7 (which	ch is not one of 0, 1,	4, 5, 6 or 9)	
	∴1057 is not a	perfect square.			
3.	The squares of	which of the follo	wing would be odd r	numbers?	
	(i) 431	(ii) 2826	(iii) 7779	(iv) 8	32004
Sol: Since the square of an odd natural number is odd					
an	and that of an even number is an even number.				
	(i) The square	of 431 is an odd r	number.		
	[∵ 431 is ar	odd number.]			
	(ii) The square	of 2826 is an eve	n number.		
	[∵ 2826 is a	in even number.]			
4.		lowing pattern an	d find the missing di	gits.	
	$11^2 = 121$				
	$101^2 = 10201$				
	$1001^2 = 10020$				
		1			
	$10000001^2 = .$				
5.		llowing pattern ar	nd supply the missing	g number.	
	$11^2 = 121$				
	$101^2 = 10201$				
	$10101^2 = 1020$)30201			

1010101² =² = 10203040504030201