Indraprastha INTERNATIONAL SCHOOL
Sector 10, Dwarka, New Delhi – 110075

UNIT TEST - 1
SESSION: 2013 - 2014
MATHEMATICS
SET - B

Class: VI   **Max. Marks: 40**
Date: 8.7.2013   **Time allowed: 1 ½ hours**

General Instructions :

- **This question paper has <u>13 </u>questions and <u>2</u> printed pages.**
- **All the questions are compulsory.**
- **Write the correct serial number of the question before attempting it.**

1.   Write the correct option:
a.   The year in progress is _____.   1
         i. MMIIX   ii. MMXIII   iii. CCXII   iv. CMXI

b.   The periods common in Indian and International System are _____,_____.   1
         i. Units, Lakhs   ii. Thousands, Millions
         iii.   Units, Thousands   iv. Hundreds, Thousands

c.   The smallest prime number is _____ .   1
         i. 2   ii. 3   iii. 4   iv. 1

 d.   In 48,72,896 the place value of 7 is _____.   1
         i. 7000   ii. 70000   iii. 700   iv. 70

e.   1 crore is equivalent to _____.
         i. 10 million   ii. 100 million   iii. 10 lakhs   iv. 1 million

f.   Which pair of numbers is coprime?   1
         i. 35, 24   ii. 51, 36   iii.16, 28   iv. 15, 40

g.   The smallest whole number is_____.   1
         i. -1   ii. 1   iii. 0   iv. 2

h.   The value of $5 \div 0$ is _____.   1
         i. not defined   ii. 5   iii. 0   iv. 50

2.	Write the successor and the predecessor of 1327869.	2

3.	Write the following in Roman Numerals:	2
	(a) 184	(b) 334

4.	What is sum of the place values of two 5's in the number 653105?	2

5.	Write the divisibility rule of 11.	2

6.	Write seven consecutive composite numbers less than 100 such that there is no prime number between them.	2

7.	Subtract 2453689 from 5964321 and express the difference in words.	2

8.	Write the number name of 874532102 with commas according to the Indian as well as the International System.	3

9.	 Test the divisibility of 58256 by 5, 6 and 8.	3

10.	 Evaluate the following using suitable property:	3
	a	$397 \times 27 + 397 \times 13$
	b	$153 \times 117 - 153 \times 17$

11.	Write all the possible 3-digit numbers using 1, 6, 4 and arrange them in the ascending order.	3

12.	Write the greatest 6-digit number using 1, 0, 7, 2, 4, 6. Divide this number by 45 and find the quotient and remainder.	4

13.	Karan is the owner of a dairy outlet. He sold 45 litres of milk on Saturday and 59 litres of milk on Sunday. If the milk cost ` 32 per litres, find out how much Karan earned by selling the milk. On every Sunday he used to go to a slum area and distributes milk and other dairy products. Write two values shown by him.	4

1. a)ii   b)iii   c)i   d)ii   e)i   f)i   g)iii   h)i
2. successor = 1327870   predecessor = 1327868
3. a) CLXXXIV b) CCCXXXIV
4. 50000 + 5 = 50005
5. If difference of the sum of alternate places is either 0 or multiple of 11 then the number is divisible by 11
6. Consecutive prime numbers less than 100 are 90,91,92,93,94,95,96
7. 5964321 – 2453689 = 3510632
8. 87,45,32,102(Indian system)= eighty seven crores forty five lacs thirty two thousand one hundred two.
    874,532,102(International system)= eight hundred seventy four million five thirty two thousands one hundred two.
9. 58256 is not divisible by 5 as units place is neither 0 nor 5, it is not divisible by 6 as it is not divisible by 3, it is divisible by 8 as last three digits are divisible by 8.
10.   a. $397 \times 27 + 397 \times 13 = 397(27 + 13) = 397 \times 40 = 15880$
         (b) $153 \times 117 - 153 \times 17 = 153 (117 – 17) = 153 \times 100 = 15300$
11. 146,164,416,461,614,641
12. 45 | 102467 | 2277
           90
            124   Q = 2277
             90   R = 2
            346
            315
             317
             315
              2
13. Total milk sold= 45 + 59 = 104, total cost = 104 × 32 = 3328
    Values = kind , helpful,responsible etc.