# WORKSHEET 1

# Numbers

# I. Choose the correct option.

	1.	10 crore =	_ million									
		(a) 1 (b)	10	(c)	100	(d)	1,000					
	2.	30 lakh =	million									
		(a) 1 (b)	3	(c)	10	(d)	30					
	3.	The predecessor of 45,321,	620 is		_•							
		(a) 45,321,619 (b)	45,321,621	(c)	45,322,620	(d)	45,322,619					
	4.	The largest 8-digit number t	hat can be formed	using	g the digits 9, 0, 8,	7, 4, 1	3, 2, 5 is:					
		(a) 8,97,54,320 (b)	9,78,54,320	(c)	9,87,54,230	(d)	9,87,54,320					
	5.	The number 8,25,657 round	ded off to the near	est 1,	000 is		_•					
		(a) 8,26,000 (b)	8,25,000	(c) 8,25,600		(d)	8,26,700					
II.	Fill	l in the blanks.										
	1.	7  lakh = t	housands									
	2.	The smallest 9-digit numbe	er is									
	3.	The number name for 88.88	8.088 is									
	4.	The successor of 9,99,999	is									
111	De	as dimented		_								
111.	Do											
	1.	By putting commas at appropriate places, write the number names for the following numbers both in Indian and International number system.										
		(a) 32758604 (b)	6048102	(c)	92865543	(d)	800506241					
	2.	Find the sum and difference between the place values of the underlined digits in the give numbers.										
		(a) $64,72,845$ (b)	9,0 <u>8</u> ,5 <u>3</u> ,746	(c)	<u>8</u> 7,92, <u>3</u> 1,685							
	3.	Write the following number	rs in expanded for	m.								
		(a) 48,27,163 (b)	7,10,85,967	(c)	21,00,74,368							
	4.	<ul><li>Write the numeral for the following.</li><li>(a) One less than one million</li></ul>										
		(b) Ten more than hundred	d thousand									
		(c) Smallest 7-digit numb	er having 4 differe	ent di	gits							
		(d) Smallest 8-digit numb	er having 2 at the	thous	ands place							
	5.	. Arrange the following numbers in ascending order.										
		(a) 14,62,845; 14,26,845;	14,62,485; 14,26,	548								
		(b) 6,08,25,143; 6,80,25,1	43; 6,80,52,134; 6	5,08,5	2,413							

- 6. Arrange the following numbers in descending order.
  - (a) 71,80,629; 71,08,629; 17,80,926; 72,80,269
  - (b) 9,25,34,687; 9,52,34,687; 9,52,43,786; 9,25,43,678
- 7. Put the correct sign >, < or =.
  - (a) 62,47,183 \_\_\_\_\_ 62,74,183 (b) 1,50,21,123 \_\_\_\_\_ 1,50,12,123
  - (c) 8,04,93,629 \_\_\_\_\_ 80,493,629 (d) 73,64,52,490 \_\_\_\_\_ 73,64,52,940
- 8. Round off the given numbers to the nearest 100 and 1,000.

	Number	Nearest 100	Nearest 1,000
(a)	7,54,256		
(b)	1,81,792		
(c)	29,47,62,183		
(d)	91,15,36,814		

- 9. Using the digits 3, 8, 2, 9, 0, 4 and 7 only once, form the largest and the smallest possible number of 7-digits.
- 10. What is the largest 8-digit number? If we add 1 to it, what will it become?

# WORKSHEET 2

# **Four Operations**

# I. Choose the correct option.

	1.	(71,04,132 + 9,51,347) + 11,00,285 = 71,04,132 + (9,51,347 + 11,00,285) This property of addition is called								
		This property of addition	on is	called .		·				
		(a) order commutativ	e pro	perty	(b)	grouping associat	ive p	roperty		
		(c) zero identity prop	erty		(d)	(d) none of these				
	2.	Minuend = Difference			Subtrahend					
		(a) +	(b)	_	(c)	×	(d)	÷		
	3.	$19,276 \times 1 = 19,276$								
		This property of multip	olicat	ion is c	alled	·				
		(a) distributive proper	rty		(b)	commutative proj	perty			
		(c) zero property			(d)	identity property				
	4.	A number cannot be di	video	d by						
		(a) itself	(b)	1	(c)	0	(d)	2		
	5.	93,87,046 ÷ 100 gives			as remain	ıder.				
		(a) 6	(b)	4	(c)	40	(d)	46		
II.	Fill	l in the blanks.								
	1.	55.68.174 + 0 =								
		The property used is ca	alled							
	2.	98.46.793 - 90.04.000	=							
	3.	$9,215 \times (647 + 330) =$	(		× 647) + (9,215 × )					
		This property of multip	licat	ion is c	alled					
	4.	$21,376 \times 200 =$				· · · · · · · · · · · · · · · · · · ·				
	5.	0 ÷ 3,75,46,920 =								
III.	Ma	tch the following.								
		Column I				Column II				
	(a)	$15 \div 3 + 2 \times 5$				(i) 1				
	(b)	$26\times 12\div 4-16\div 8$				(ii) 37				
	(c)	$(81 \div 3) \div 3 \div 3 \div 3$			(	iii) 76				
	(d)	$6 + 4 - 7 + 12 \div 6$			(	iv) 15				
	(e)	$3 \times 2 \times 24 \div 6 + 20 - 7$				(v) 5				
IV.	Do	as directed.								
	1.	Find the following sum	1.							
		(a) 46,305 + 31,490	(b)	8,12,921 + 6,15,3	84					

(c) 15,31,20,743 + 96,87,320 + 20,16,477 (d) 3,45,21,650 + 82,37,900 + 49,36,786

- 2. Subtract and check your answer.
  - (a) 93,876 from 8,05,346 (b) 2,79,989 from 15,08,917
- 3. Find the following products.
  - (a)  $3,45,167 \times 248$  (b)  $12,23,920 \times 574$
  - (c)  $89,264 \times 315$  (d)  $4,915 \times 273 \times 608$
- 4. Divide and check your answer.

(a)  $76,948 \div 32$  (b)  $4,20,534 \div 127$  (c)  $92,18,46,216 \div 325$ 

- 5. Solve the following word problems.
  - (a) A factory manufactured 1,75,820 red pens; 96,450 blue pens and 1,45,615 black pens. How many pens were manufactured in all at the factory?
  - (b) The population of city A is 2,56,410, the population of city B is 3 times that of city A and the population of city C is half the population of city B. What is the population of cities B and C? Which city is most populated?
  - (c) The product of two numbers is 4,51,92,966. If one of the numbers is 3,549, find the other number.
  - (d) An education trust wanted to open a school. They had ₹ 79,86,54,960 to invest. They purchased 5 school vans for ₹ 2,00,500 each, spent ₹ 8,00,00,000 on building and infrastructure. The trust decided to pay each teacher ₹ 4,50,000 per year and appointed 12 teachers. How much money is still left with the trust at the end of the year?

### WORKSHEET 3

## **Factors and Multiples**

#### I. Choose the correct option. 1. The smallest multiple of a number is \_\_\_\_\_ (a) 0 (b) 1 (c) number itself (d) any number 2. 54 is divisible by: (b) 3 (a) 2 (c) 6 (d) all of these 3. A number which has only 2 factors, 1 and itself is called a/an \_\_\_\_\_ (a) prime number (b) composite number (c) natural number (d) odd number 4. The smallest factor of every number is \_\_\_\_\_. (c) 2 (a) 0 (b) 1 (d) number itself 5. The HCF of a pair of co-prime numbers is always (b) 0 (c) any number (d) none of these (a) 1 II. Fill in the blanks. 1. Every number is a multiple of \_\_\_\_\_ 2. A number can have only \_\_\_\_\_ number of factors. 3. The smallest prime number is \_\_\_\_\_. 4. \_\_\_\_\_ and \_\_\_\_\_ are neither prime nor composite. 5. \_\_\_\_\_ means to break a number into its factors.

6. The LCM of co-prime numbers is the \_\_\_\_\_\_ of those numbers.

#### III. Write 'T' for True or 'F' for False.

- 1. A number is divisible by 9 if the sum of its digits is divisible by 3.
- 2. 68,795 is divisible by 2.
- 3. The smallest even prime number is 2.
- 4. The LCM of 4, 8 and 12 is 24.
- 5. Odd numbers are always divisible by 3.
- 6. HCF of 2 and 3 is 1.

#### IV. Do as directed.

1. Check the divisibility of following numbers by 2, 3, 4, 5, 6, 8, 9, 10 and 11. Put '✓' if divisible and '×' if not divisible.

		Divisible by								
	Number	2	3	4	5	6	8	9	10	11
(a)	89,76,87,340									
(b)	5,70,240									

- 2. Make a factor tree for the following numbers.
  - (a) 36 (b) 248 (c) 120 (b) 225
- 3. Find the HCF and LCM of the following numbers using prime factorization.

(a) 45, 80 and 105 (b) 64, 120 and 200

- 4. Find the HCF and LCM of the following numbers using division method.
  - (a) 60, 90 and 120 (b) 27, 243 and 729
- 5. Solve the following problems.
  - (a) The LCM of two numbers is 45 and their HCF is 3. If one of the numbers is 9, find the other number.
  - (b) The HCF of 36 and 150 is 6. Find their LCM.
  - (c) Two lighthouses flash their lights every 30 seconds and 40 seconds respectively. Given that they flashed together at 8.30 p.m., when will they next flash the lights together?
  - (d) Three strings of length 72 cm, 144 cm and 216 cm are to be cut into equal lengths. What is the greatest possible length of each piece?
  - (e) The LCM of two numbers is 96 and their HCF is 16. If one of the numbers is 32, find the other number.