

Part I. Worksheet I (Unitary method, Prime factorization , LCM, HCF , Place Value chart)

I. Select correct option:

- 1) What is $10000 - 1$?
(a) 9 (b) 99 (c) 999 (d) 9999
- 2) What is the sum of place values of 5 in '45675'?
(a) 50 (b) 5 (c) 5005 (d) 5000
- 3) What is the product (multiplication) of 784 and 300?
(a) 235200 (b) 253200 (c) 230000 (d) 210000
- 4) Which of these is a prime number?
(a) 25 (b) 29 (c) 32 (d) 49
- 5) A car travels 84 km in 2 hours. Find the distance covered by the car in 3 hours with the same speed.
(a) 162 km (b) 126 km (c) 42 km (d) 252 km

II Fill in the blanks:

- 1) Expanded form of 16549 is _____.
- 2) 1 million = _____ hundred thousand
- 3) 1 crore = _____ million.
- 4) The greatest prime number between 1 and 10 is _____.
- 5) The cost of 6 notebooks is Rs. 72. The cost of 10 such notebooks is _____.

III Solve the following:

- 1) Write in ascending and descending order: 15358; 42076; 53287; 12123.
- 2) Find the face value and place value of the digit "3" in 135476.
- 3) Form the greatest and the smallest 4 digit numbers using the given digits without repetition
(i) 3, 7, 2 and 5 (ii) 6, 0, 4 and 9
- 4) Write 8945673 using commas in Indian as well as International System of Numeration.
- 5) Starting from the greatest 5-digit number, write the previous five numbers in descending order.
- 6) Find prime factorization of 150.
- 7) Find the HCF of (i) 30, 42 (ii) 8, 54, 81
- 8) Find the LCM of (i) 24, 90 (ii) 40, 48, 45
- 9) If the cost of 15 m cloth is Rs. 300, then find the cost of 25 m such cloth.
- 10) A train takes 8 hours to cover 560 km. How much distance will it cover in 14 hours?

Part II. Worksheet II (Decimals - based on previous knowledge)

1. Write the following in decimal notation:

- a) Five tenths
- b) Four hundred and three ones
- c) Forty two and eight hundredths
- d) Seven hundred eighty two point three
- e) Five hundredths

2. Write a decimal notation for each :

- a) $\frac{5}{10}$
- b) $\frac{16}{100}$
- c) $\frac{140}{100}$
- d) $\frac{635}{1000}$
- e) $\frac{3}{1000}$
- f) $\frac{123}{10}$
- g) $\frac{32}{1000}$
- h) $\frac{112}{10}$
- i) $\frac{7}{100}$
- j) $\frac{1253}{10}$
- k) $\frac{1523}{100}$
- l) $\frac{10}{100}$

3. Write as decimals.

- a) $300 + 40 + 3 + \frac{2}{10}$
- b) $500 + 70 + 3 + \frac{3}{10} + \frac{5}{100}$
- c) $700 + 50 + 8 + \frac{1}{10} + \frac{5}{1000}$
- d) $200 + 8 + \frac{8}{100}$
- e) $70 + \frac{8}{10}$
- f) $200 + 60 + \frac{1}{10}$

4. Compare the following decimal numbers and put >, < or = sign in the blank :

- a) 4.81 ____ 4.81
- b) 20.201 ____ 20.20
- c) 2.93 ____ 2.932
- d) 12.58 ____ 12.85
- e) 100.01 ____ 100.10

5. Add:

- a) 0.059, 0.032
- b) 1.392, 1.693
- c) 3.052, 6.1

6. Subtract :

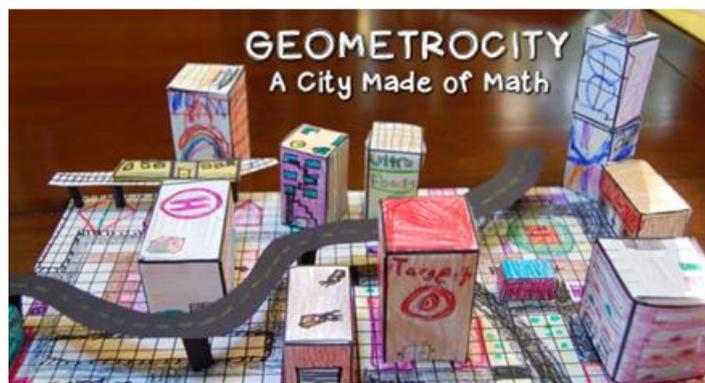
- a) 3.213 from 7.500
- b) 15.01 from 63.135
- c) 2.002 from 53.1

Part III. Activities to be done during vacation

- 1) **Prime numbers chart** - Print out or prepare a hundreds chart (chart with numbers 1 to 100). Then cross out all the composite (non- prime) numbers (with one color marker pen) , and circle all the prime numbers (with any other colour marker pen). Complete circling all prime numbers up-to hundred and prepare a neat Prime number chart.

Numbers 1–100									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- 2) **Geometricity** - Build a city made of geometrical shapes (use 2D and 3D shapes).



Happy vacations!
