



# ÉCOLE GLOBALE

## INTERNATIONAL GIRLS' SCHOOL

### Dehradun

## HOLIDAY HOMEWORK - CLASS IV

### MATH

#### Number System

- Place these 6 digit numbers in periods of Indian and international and write their names:
  - 985671
  - 650002
- Write the number, placing your commas corrected:
  - Five lakh seventy-six thousand and twenty nine. \_\_\_\_\_
  - Nine hundred and thirty thousand, six hundred and sixty one.  
\_\_\_\_\_
- Write the value of the underlined digit:
  - 16,850 \_\_\_\_\_
  - 471,623 \_\_\_\_\_
- Write the numbers that match these expanded form:
  - $80,000+7,000+80+2=$  \_\_\_\_\_
  - $900,000+5,000+50+5=$  \_\_\_\_\_
- Counting in hundreds, write numbers in blanks:
  - 17,900 ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; 18,300.
  - 207,700; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_ ; \_\_\_\_\_.
- Circle the largest number:
  - 458,189; 498,198; 407,199
  - 999,965; 909,369; 99,125

**7. Arrange in descending order:**

- a. 985648, 166985, 25689, 658415
- b. 56989, 57895, 501789, 56784

**8. Solve these:**

a.  $19 \times 700$

b.  $89 \times 9000$

**9. Solve the word problems, making complete statements:**

- a. What is the sum of 40711 and 73412 and the difference of 82731 and 37128?
- b. A milk-dairy produces 25,545 litres of milk every day. It supplies 15,625 litres of milk to a milk-depot and the rest to the market. How much milk is supplied to the market?

**10. Brush up your brain**

- a. Which is greater, 42929 or 91429 and by how much? \_\_\_\_\_.
- b. How much smaller is 63512 than 94291? \_\_\_\_\_.
- c. Find the number which exceeds

**11. Divide the following and check your answer**

- a. 17319 by 12
- b. 235 by 20

**12. Write first 5 multiples of**

- a. 35
- b. 69
- c. 8
- d. 74

**13. Fill in the blanks:**


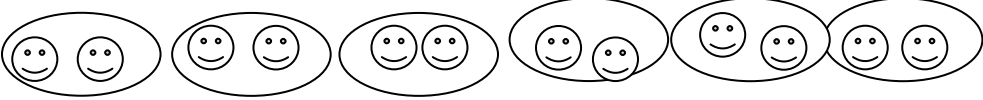
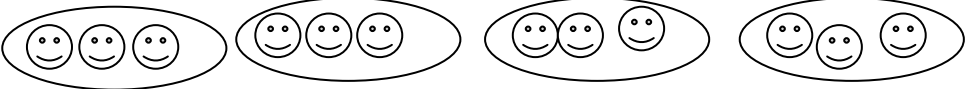
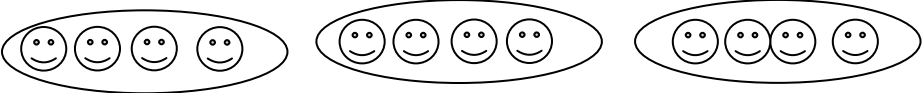
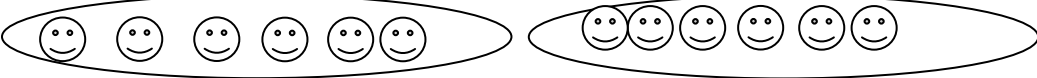
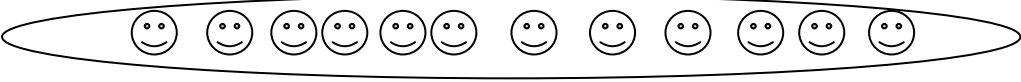
- a. If we add an even number to another number, we get an \_\_\_\_\_ number.
- b. If we add an odd number to another odd number, we get an \_\_\_\_\_ number.
- c. If we add an even number to an odd number, we get an \_\_\_\_\_ number.

**14. Find the LCM and HCF of:**

- a. 25 and 35

- b. 16 and 72
- c. 26 and 42
- d. 63 and 14

**15. Sid Spacewalker loves arranging objects in groups. Here he has arranged 12 smiles in six different ways:**

<p>1. Ones</p> 	$12 \times 1 = 12$
<p>2. In twos</p> 	$6 \times 2 = 12$
<p>3. In threes</p> 	$3 \times 4 = 12$
<p>4. In fours</p> 	$4 \times 3 = 12$
<p>5. In sixes</p> 	$2 \times 6 = 12$
<p>6. In twelves</p> 	$1 \times 12 = 12$

**A. Just as Sid did with his smiles, arrange 20 counters in as many types of equal groups as you can. The copy and complete this table and write all the factors of 20.**

1 x	=20
X 2	=20
4 x	=20
5 x	=20

**A. Find the factors of the following by making groups as Sid:**

1. 15
2. 11
3. 28
4. 21
5. 18
6. 9

**B. Sid is now thinking about prime number:**

# Magic Hundred Square

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

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Some artwork created for SparkBox by Kate Wall

**Follow the given instructions:**

- a. Colour the square containing the number 1.
- b. 2 is a prime number. Except for 2 itself, colour all squares containing multiples of 2 (4,6,8,10 and so on.)
- c. 3 is a prime number. Except for 3 itself, colour all squares containing multiples of 3 (6,12,15 and so on.)You will have coloured some already.
- d. 5 is a prime number. Except for 5 itself, colour all squares containing multiples of 5 (10,15, 20 and so on.)You will have coloured some already.
- e. 7 is a prime number. Except for 7 itself, colour all squares containing multiples of 7 (14, 21 and so on.)You will have coloured some already.

f. Look at your chart:

1. Why did Sid not ask you to colour multiples of 4, 6, 8, 9 and 10?
2. All the numbers left are prime numbers. Make a list of these.

**16. Fill in the blanks:**

1. Every prime number except \_\_\_\_\_ is odd.
2. Each prime number has exactly \_\_\_\_\_ factors.
3. \_\_\_\_\_ is neither prime nor composite.
4. All composite numbers have at least \_\_\_\_\_ factors.

**17. Find the prime factors using factorization tree.**

1. 40
2. 72
3. 196
4. 84
5. 50
6. 63

**18. Is it true or false? Explain your answer.**

1. Composite numbers have only two factors.
2. The HCF of 12 and 20 is 2.
3. 5 is the factor of 1,00,000.
4. 15 is not a factor of 3,000.
5. The LCM of 4 and 12 is 48.

**19. Using the divisibility test:**

- a. Is 2032 divisible by 2?
- b. Is 1800 divisible by 9?
- c. Is 130 divisible by 3?
- d. Is 6954 divisible by 5?

**20. Solve the following using appropriate statements:**

1. A room in Hotel Palm Magic, costs Rs 952 per night. If all 58 rooms are occupied, how much money will the hotel manager collect for that night?
2. If Sid eats 136 toffees in a day, the how many toffees will he eat in 3 weeks?
3. A jug contains 1440 ml of orange juice. If each student shares it equally, how much does each child receive?
4. Rs 5550 are collected for 15 families whose homes have been damaged by floods. How much money each family get?
5. At a school camp, 800 children are divided in to groups of 25 children each. How many groups are there together?