

#### **Dear Parents**

We wish you and your child a very happy summer holidays. It's time to enjoy and create a bond with family, friends and relatives. To utilize this time in the most constructive way we have prepared Holiday Homework for the students on the principle of 'learning by doing' for their holistic development.

#### So here we start.....

#### 1. Morning Blessings

Help your child inculcate good habits like doing "Surya Namaskar" and encourage him/her to wish all elders in the morning. If possible, visit a temple or any other religious place of your choice.

## 2. Physical Development

- Take the child with you for morning/evening walk.
- Play different games like hide and seek, football, ludo, chess, snakes and ladders, carrom board etc. with your child.

## 3. Language Development

- Encourage your child to converse in English.
- Choose any 1 object from your surroundings every day. Let the child speak few lines on it.

## 4. Being Good

- Help your child inculcate good habits like doing 'Surya Pranam' & encourage him / her to greet all elders in the morning.
- Help your child to use 4 magical words: PLEASE, SORRY, THANK YOU, EXCUSE ME as the part of basics of good manners.
- Encourage your child to listen.
- Gently care for animals. Encourage your child to be empathetic towards animals.
- Involve your child to sow a plant in a pot and give water. Give knowledge about plants and trees. Explain to them that they are an integral part of their growing up.
- Have at least two meals together with your children. Teach them the importance and hard work of the farmer and ask them not to waste their food.
- Let them take their own plates after every meal. Children learn dignity of labour from such activities.

## 5. Health and Hygiene

"Healthy mind resides in a healthy body." So start your day early and set a routine even during vacations. In addition you and your little one can spend some quality time playing, cycling, swimming to keep yourself fit and healthy. Encourage your child to take care of personal hygiene by inculcating the habits like washing hands, practicing yoga, eating healthy food etc.

#### **General instructions:-**

- 1. Attempt your work neatly.
- 2. Use loose sheets to write answers.
- 3. Write your Name, Class-section and Roll number.

#### Learn and Write Table from 2 to 20.

## **Mental Maths:**

- 1) I am thinking of a number. When I add 5 to it, the result is 18. What is my number?
- 2) If you have 5 tens, 3 ones, and 4 hundreds, what number do you have?
- 3) Which number is the odd one out: 14, 28, 32, 40?
- 4) I am a two-digit number. The sum of my digits is 12, and my ones digit is 4 more than my tens digit. What number am I?
- 5) I am a number. If you add 9 to me, the sum is 42. What number am I?
- 6) Identify the missing number in the sequence:

7) Identify the next number in this sequence: 1, 1, 2, 3, 5, 8,

- 8) I am a number. If you multiply me by 2 and then subtract 5, you get 17. What number am I?
- 9) A basket contains 8 red apples, 6 green apples, and 4 yellow apples. What fraction of the apples are red?
- 10) What is the sum of all the prime numbers between 1 and 10?

#### **Revision Time:**

- 1) Write number name of 50873412 according to Indian place value system.
- 2) What will be the roman numeral for 8092?
- 3) Simplify 67,892 + 34,503 1,112.
- 4) Fill in the blank:  $CIV \times X =$ \_\_\_\_\_.
- 5) Simplify:  $50 \div [5 + \{3 \times (2+1)\}]$ .
- 6) A publisher prints 3,600 books in a month. If each carton contains 75 books, how many cartons are needed to pack all the books?
- 7) A factory packs 128 crayons in one packet. How many crayons are there in 225 such packets?
- 8) Write CVII in Hindu-arabic number.
- 9) Divide and Verify your answer: 72,  $540 \div 90$ .
- 10) Write in columns and Subtract: 7,65,879 45,233.
- 11) Round off 1,35,612 to nearest 1000.
- 12) Arrange in ascending order: 1,234,567; 987,654; 654,321; 345,678; 876,543.
- 13) Write the smallest and greatest number using 7,0,8,2,1,4,6.
- 14) A farmer harvested 4,125 apples from his orchard. He sold 1,725 apples at the market. Later, he found 96 more apples under the trees. How many apples does he have now?
- 15) Write 9,83,61,734 in expanded form.

# Let's practice:

- 1) Fractions having 1 as numerator are called \_\_\_\_ fractions.
- 2) Are  $\frac{4}{8}$  and  $\frac{7}{14}$  equivalent fractions? If yes, why?
- 3) Compare the given fractions  $\frac{4}{5}$  and  $\frac{7}{9}$ .
- 4) A basket contains 12 apples.  $\frac{3}{4}$  of the apples are red, and the rest are green. How many green apples are there in the basket?

5) Simplify  $\left(\frac{2}{5} \div \frac{4}{9}\right) - \frac{1}{3}$ .

6) Solve  $\frac{1}{8} + \frac{5}{8}$ .

7) Solve  $\frac{3}{4} \times \frac{5}{6} \times \frac{2}{3}$ .

8) Solve  $2\frac{3}{1} \div \frac{8}{7}$ .

9) A pizza was divided into 8 equal slices. If you eat 3 slices and your friend eats 2 slices, what fraction of the pizza is left?

10) Fractions having numerator greater than the denominator are called \_\_\_\_\_ fractions.

11) If we divide a fraction by 1 than the answer will be the \_\_\_\_\_ itself.

12) What will be the multiplicative inverse of  $\frac{3}{10}$ ?

13) If we multiply a fraction by 0, answer will always be \_\_\_\_\_.

14) The denominator of a whole number will always be \_\_\_\_\_.

15) Convert  $\frac{3}{4}$  and  $\frac{5}{8}$  into like fractions.

## **Puzzle time:**

1) I am a number between 30 and 50. I am divisible by 3. I am not divisible by 5. The sum of my digits is 9. What Number am I?

2)	Solve the given puzzle: (Hint: All rows and columns should add up to 15)
3)	Solve the given nuzzle:

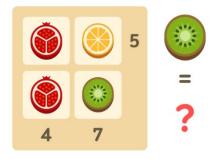


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$ \longrightarrow + \bigodot +                               $

4) What should come in place of question mark?

	5			9			6	
3	19	2	3	54	3	5	?	4
	4			7			8	

5) What should be the value of kiwi?



## **Case Study:**

Students of Class 5 organized a charity fair and raised money by selling handmade crafts.

- Day 1: ₹1,250Day 2: ₹1,575
- Day 3: ₹1,725
- They donated ₹2,000 to a local orphanage.

## Answer the following questions:

- 1) How much money did they collect in total over 3 days?
- 2) How much money was left after the donation?
- 3) If they divide the remaining money equally among 5 classes, how much does each class get?
- 4) If the remaining amount after donation was used to buy 10 school bags of equal cost, what was the cost of each bag?
- 5) On Day 4, they raised an additional ₹950. What is the new total amount collected?

## **Art Integration project:**

• Explain the mathematical concepts used in Ancient toys and games of Rajasthan (Explain about any 1 toy or game)