HOLIDAY HOMEWORK 2018-19
Class: VIII

This year, your holiday homework is a fun mix of all the aspects of learning. It has been designed to ensure that you enjoy and learn at the same time. Special attention has been taken to ensure that you use your creativity, your innovative ideas and your imagination to shape your holiday homework into fantastic 'creations'. So enjoy your holidays spending quality times with your near and dear ones and devote sometimes to learn new things.

<u>**General Instructions:**</u>

- Holiday Homework of all subjects to be done in **<u>separate Stick Files</u>** (only).
- The areas to be covered are suggested below. You can of course use your creativity and innovation for new ideas too!
- Credit will be awarded to original photographs/ drawings, illustrations and creative use of materials.
- Holiday Homework needs to be submitted on 10th July 2018.
- Holiday Homework needs to be developed and presented in this order:
  - ➤ Cover page showing title, student information, school and academic year and parent's signature.
  - ➤ List of contents with page numbers.
  - ➤ The last page should have Bibliography/ Sources of information from where you have collected your information.

<u>**Subject: English**</u>

BOOK REVIEW:

- **Read the book, *Hard Times* and do the following assignment :**
  Information about the author, your favourite incident or chapter from the book, your reason for liking the book.
- **Write pen-pictures of the following characters :**
  i.   Thomas Gradgrind
  ii. Louisa
  iii. Josiah Bounderby
- **Vocabulary Enrichment :**
Make a list of twenty new words/ phrases that you come across in the novel and use them in a composition and highlight them.

<u>**Subject: Mathematics**</u>

1. Find $\dfrac{2}{5} \times \dfrac{-3}{7} + \dfrac{5}{2} - \dfrac{3}{5} \times \dfrac{1}{6}$

2. Find $\dfrac{2}{5} \times \dfrac{1}{7} + \dfrac{2}{5} \times \dfrac{1}{6} + \dfrac{5}{2}$

3. Find $\dfrac{1}{2} - \left[\left(\dfrac{14}{6} \right) \dfrac{3}{7} \times \dfrac{-21}{9} \right]$

4. Find 5 rational numbers between $\dfrac{2}{5}$ and $\dfrac{3}{5}$

5. Find 10rational numbers between $\dfrac{2}{5}$ and $\dfrac{3}{4}$

6. The difference between two whole numbers is 66. The ratio of the two numbers is 5:2. What are the two numbers?

7. The base of an isosceles triangle is $\dfrac{5}{3}$ cm. The perimeter of the triangle is $5\dfrac{2}{3}$ cm. What is the length of either of the remaining equal sides?

8. The sum of two numbers is 89. If one exceeds the other by 23, find the numbers.

9. The number of boys and girls are in the ratio 7:5. The number of boys is 8 more than the number of girls. What is the total class strength?

10. The perimeter of a rectangular swimming pool is 154 m. Its length is 2 m more than twice its breadth. What are the length and the breadth of the pool?

11. Sum of two numbers is 95. If one exceeds the other by 15, find the numbers.

12. Two numbers are in the ratio 5:3. If they differ by 18, what are the numbers?

13. Three consecutive integers add up to 51. What are these integers?

14. The sum of three consecutive multiples of 8 is 888. Find the multiples.

15. The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?

16. The number of boys and girls in a class are in the ratio 7:5. The number of boys is 8 more than the number of girls. What is the total class strength?

17. Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age?

18. A rational number is such that when you multiply it by $\dfrac{5}{2}$ and add $\dfrac{2}{3}$ to the product, you get $\dfrac{-7}{12}$. What is the number?

19. Lakshmi is a cashier in a bank. She has currency notes of denominations Rs 100, Rs 50 and Rs 10, respectively. The ratio of the number of these notes is 2:3:5. The total cash with Lakshmi is Rs 4, 00,000. How many notes of each denomination does she have?

20. I have a total of Rs 300 in coins of denomination Re 1, Rs 2 and Rs 5. The number of Rs 2 coins is 3 times the number of Rs 5 coins. The total number of coins is 160. How many coins of each denomination are with me?

21. Solve and check result: 3x = 2x + 18

22. Solve and check result: 5x + 9 = 5 + 3x

23. Solve and check result: 8x + 4 = 3(x − 1) + 7

24. Amina thinks of a number and subtracts $\dfrac{5}{2}$ from it. She multiplies the result by 8. The result now obtained is 3 times the same number she thought of. What is the number?

25. Sum of the digits of a two digit number is 9. When we interchange the digits it is found that the resulting new number is greater than the original number by 27. What is the two-digit number?

26. Shobo's mother's present age is six times Shobo's present age. Shobo's age five years from now will be one third of this mother's present age. What are their present ages?

27. Simplify and solve the linear equation: $3(5x-7)-2(9x-11)=4(8x-13)-17$

28. Construct the following quadrilaterals,
    (i) Quadrilateral DEAR DE = 4 cm, EA = 5 cm, AR = 4.5 cm, ∠E = 60° and ∠A = 90°
    (ii)   Quadrilateral TRUE TR = 3.5 cm RU = 3 cm UE = 4 cm ∠R = 75° ∠U = 120°

29. Draw the following: A rhombus whose diagonals are 5.2 cm and 6.4 cm long.

30. Draw the following: A parallelogram OKAY where OK = 5.5 cm and KA = 4.2 cm.

Learn the multiplication tables from 2 to 25

Subject: Science

The Container Garden

Objectives :
The students will create a container garden (at least 4 plants) and learn the importance of taking care after planting the plants while observing their growth.

Supplies Needed :

- Containers (plastic cups / jam bottles / jars / egg shell tray)
- Gardening soil
- Hand rake or tiller
- Seeds
- Water
- Compost

Procedures :

- Select a container for the container garden and place soil in it.
- Make the rows, plant the seeds, and water the garden.
- Write an article on container garden in about 120 words on A4 sheet(s). Support the content with relevant pictures (step wise) of your container garden.

Benefits:

- Children have a better connection with the earth.
- They develop patience as they wait for the seeds to grow.
- They gain responsibility as they take care of the plants.
- They learn about the growth process.

Subject: Social Science

1. **Criminal Justice System in India / Hierarchy of Courts and Justice System in India**
   Make a Pyramid showing the - Hierarchy of Courts and Justice System in India.

2. **Do a research on Blackbuck Poaching Case (Salman Khan) 1998-2018**
   Use the pointers given below:
- Share the complete process of the case?
- Who registered the case?
- Where the case was registered?
- Other details of the case.
- Under which section and act was the case registered. Practice and Procedure.
- Judgments given.
- Recent development of the case.

Subject: Hindi (II Language)

अपने घर के बुज़ुर्ग या माता-पिता से अपने परिवार से सम्बन्धित कोई प्रेरणादायक घटनाएं या उनके समय की कहानियां आप सुनें I और उन कहानियों में आपको जो सबसे अच्छी कहानी या घटना लगी, उसे 150 -180 शब्दों में साफ-साफ लिखे I

Subject: French (II Language)

Écrivez votre routine quotidienne pendant les vacances. (15 lignes)
(Write your daily routine during the vacation). (15 lines)

Subject: German (II Language)

Schreib 10 Tip wie du Fit bleiben hast , während die Ferien.
(Pen down any 10 tips that you did to remain fit and healthy during the vacation)