

Summer Holiday Homework

Name-
Nickname-
Class- Roll no-

Class: 8F



Dear Parents

Vacation is an excellent time to learn new skills. It is a welcome break for the children to enjoy and explore things in their own way. Just the right time to let the children do some creative work. Here are some interesting and fun-filled assignments for the children to learn and keep them occupied during the holidays. These assignments have been designed to ensure that the children enjoy and learn at same time. We would appreciate if the children do the assignments on their own. Help and guidance may be given wherever required. Let's work together towards the betterment of the students. Happy Holidays!!

Projects:

Roll no. 1-6 : Make a chart on major crops in India. Roll no. 7-12: Make a model of fire extinguisher.

Roll no. 13-18: Create a model showing the perimeter and area of various shapes like triangles, rectangles, squares, and circles using different materials like cardboard, paper, or even by drawing them accurately on a chart.

Roll no. 19-23: Activity : Make a chart on the Title: “The Grammar Galaxy”

Theme: A space-themed chart to explore major parts of English grammar.

Sections to Include on the Chart: Parts of Speech (use planets for each):

Noun (naming word)

Pronoun (replaces a noun)

Verb (action or state)

Adjective (describes a noun)

Adverb (describes a verb/adjective) Preposition (shows position/relation) Conjunction (joins words/sentences)

English

Part A: Sentence Builder Puzzle

Rearrange the words to form complete sentences. Make sure each sentence has at least one noun.

1. park / the / in / children / play

2. apple / she / red / a / ate

3. runs / dog / the / yard / in / the

Part B: Adjective Riddles

Match the adjective to the riddle.

1. I describe something that isn't big – _____

2. I tell you that someone feels good inside – _____

3. I describe something you touch that isn't hard – _____

Part C: Sentence Builder Puzzle

Rearrange the words into a complete sentence with an adjective.

1. cake / delicious / a / baked / she

2. dog / fast / the / very / runs

3. wore / dress / beautiful / a / she

Part D: Fill in the Blanks with a Verb

Choose a verb from the word bank to complete each sentence.

Word Bank: run, sing, jump, draw, swim

1. I can _____ very fast.

2. He likes to _____ in the pool.

3. They _____ to the music.

4. She will _____ a picture of a cat.

5. We _____ together in class.

HINDI

1. यात्रावृत्तांत

ग्रीष्म कालीन अवकाश में की गई किसी एक यात्रा का वर्णन करते हुए एक यात्रा वृत्तांत लिखिए।
इसमें यात्रा की शुरुआत से लेकर वापसी तक के अनुभवों को शामिल करें।

2. पुस्तकसमीक्षा

गर्मी की छुट्टियों में पढ़ी गई अपनी प्रिय हिंदी किताब या पुस्तक पर समीक्षा लिखिए।
(जैसे – पुस्तक का नाम, लेखक, विषय वस्तु, क्या अच्छा लगा, क्या सिखा आदि)

3. लघु निबंध लेखन

निम्नलिखित विषयों पर लघु निबंध लिखिए -

(क) भारतीयपर्व

(ख) राष्ट्रीयएकता

(ग) मेरा प्रिय खेल

4. पत्र लेखन

विद्यालय में नई खेल सामग्री मंगवाने हेतु प्रधानाचार्य महोदय को एक औपचारिक पत्र लिखिए।

5. अनुच्छेदलेखन

निम्नलिखित विषयों में से किसी एक पर अनुच्छेद लिखिए -

(क) मेरा प्रिय विषय - हिंदी

(ख) लक्ष्य प्राप्ति में विद्यालय की भूमिका

(ग) मेरा भविष्य का करियर

6. रचना कार परिचय

हिंदी पाठ्यपुस्तक में से किसी दो लेखकों या कवियों का चित्र सहित जीवन परिचय देते हुए
उनकी प्रमुख रचनाओं का उल्लेख कीजिए।

7. पाठ पुनरावृत्ति

कक्षा में पढ़ाए गए सभी अध्यायों की पुनरावृत्ति करें। यह सभी कार्य A4 शीट पर करें।

MATHEMATICS

1. Find the square root of 6400.
2. What could be the possible 'one's' digits of the square root of each of the following numbers?
(i) 9801 (ii) 99856 (iii) 998001 (iv) 657666025
3. Without doing any calculation, find the numbers which are surely not perfect squares.
(i) 153 (ii) 257 (iii) 408 (iv) 441
4. Is 90 a perfect square? Justify your answer.
5. Is 2352 a perfect square? If not, find the smallest multiple of 2352 which is a perfect square. Find the square root of the new number.
6. Find the smallest number by which 9408 must be divided so that the quotient is a perfect square. Find the square root of the quotient.
7. Find the smallest square number which is divisible by each of the numbers 6, 9 and 15.
8. Find the square roots of 100 and 169 by the method of repeated subtraction.
9. Find the square roots of the following numbers by the Prime Factorisation Method.
(i) 729 (ii) 400 (iii) 1764 (iv) 4096 (v) 7744 (vi) 9604 (vii) 5929 (viii) 9216 (ix) 529 (x) 8100
10. For each of the following numbers, find the smallest whole number by which it should be multiplied so as to get a perfect square number. Also find the square root of the square number so obtained.
(i) 252 (ii) 180 (iii) 1008 (iv) 2028 (v) 1458 (vi) 768
11. For each of the following numbers, find the smallest whole number by which it should be divided so as to get a perfect square. Also find the square root of the square number so obtained.
(i) 252 (ii) 2925 (iii) 396 (iv) 2645 (v) 2800 (vi) 1620
12. The students of Class VIII of a school donated Rs. 2401 in all, for Prime Minister's National Relief Fund. Each student donated as many rupees as the number of students in the class. Find the number of students in the class.
13. 2025 plants are to be planted in a garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row.
14. Find the smallest square number that is divisible by each of the numbers 4, 9 and 10.

15. Find the smallest square number that is divisible by each of the numbers 8, 15 and 20.

Chapter – Understanding Quadrilaterals

1. The sum of the angles of a hexagon is_____

(a) 360o

b) 540o

c) 720o

d) 1080o

2. If one angle of a parallelogram is 65o, then the measure of the adjacent angle is

(a)115o

(b) 65o

(c)125o

(d) 180o

3. What is the measure of each exterior angle of a regular polygon of 15 sides?

(a) 30° (b) 45° (c) 60° (d) 24°

4. If two adjacent angles of a parallelogram are $(5x - 5)^\circ$ and $(10x + 35)^\circ$, then the ratio of these angles is

(a)1:3 (b) 2:3 (c) 1:2 (d)1:4

5. When the sum of the interior angles of a polygon is 10 right angles, then how many sides does it have?

(a) 6 (b) 12 (c) 8 (d) 7

6. How many sides does a regular polygon have if each of its interior angles is 165° ?

7. In a square ABCD all sides and angles are _____.

8. What is the sum of all the angles of a pentagon?

9. How many non-overlapping triangles can we make in a polygon having n sides, by joining the vertices?

10. If three angles of a quadrilateral are each equal to 55° , then, the fourth angle is _____.

11. An exterior angle and the interior

angle of a regular polygon are in the ratio 2 : 7. Find the number of sides of

12. In parallelogram ABCD. Find x and y.

13. Find the number of sides of a regular polygon if each interior angle measures 60° .

14. Four angles of a quadrilateral are in the ratio 3 :4 :5 : 6. Find its angles.

15. ABCD is a rhombus with $\angle DAB = 56^\circ$. Determine $\angle DBC$.

Chapter – Data Handling

1. A coin is tossed three times. The number of possible outcomes is ____.

2. A die is thrown once. Find the probability of getting a number greater than 4.

3. What is the probability of an impossible

event?

4. The monthly salary of an average person is Rs. 15,000. The central angle of the given sector representing his expenses on food and house rent on a pie chart is 60° . The amount he spends on his food and house rent is ____.

Q5 – Q9: Adjoining pie-chart gives the expenditure (in percentage) on various items and savings of a family during a month. Study the given pie-chart and answer the questions from Q5 – Q9.

5. On which item the expenditure was maximum?

6. On which item the expenditure was minimum?

7. Expenditure on which item is equal to total savings of the family?

8. Expenditure on which item is equal to total savings and the House Rent?

9. If the monthly savings of the family is Rs 3000. What is the monthly income of the family?

10. If you have a spinning wheel with 3 green sectors, 1 blue sector and 1 red sector, what is the probability of getting a green sector? What is the probability of getting a non- blue sector?

11. When a die is thrown, list out the outcomes of an event that shows

(i) (a) a prime number

(b) not a prime number

(ii) (a) a number greater than 5

(b) a number not greater than 5

12. A class consists of 21 boys and 9 girls. A student is to be selected for social work. Find the probability that

(i) a girl is selected

(ii) a boy is selected.

(Q13-Q15) Numbers 1 to 50 are written on 50 separate cards (one number on one card), kept in a box and mixed well. One card is drawn at random from the box. Answer the following questions

13. What is the probability of getting a

multiple of 5?

14. What is the probability of getting a number greater than 25?

15. What is the probability of getting a multiple of 10?

SCIENCE

1. The belief that the mother is completely responsible for the sex of the child is wrong because the child

- (a) gets sex chromosome only from the mother.
- (b) develops in the body of the mother.
- (c) gets one sex chromosome from the mother and the other from the father.
- (d) gets sex chromosome only from the father.

2. AIDS can spread from an infected person to another person through

- (a) sharing food (c) sharing comb
- (b) blood transfusion (d) a mosquito bite

3. Given below are events that lead to pregnancy and development of embryo.

- (i) Fertilization of egg
- (ii) Maturation of egg
- (iii) Release of egg
- (iv) Embedding of embryo in thickened uterine wall.

Which of the following options gives the correct order of sequence in which they occur?

- (a) i, ii, iii, iv, (b) ii, i, iii, iv
- (c) i, iv, ii, iii (d) ii, iii, i, iv.

4. For the metamorphosis of tadpoles which of the following elements must be available in water?

- (a) chlorine (c) sulphur
- (b) carbon (d) iodine

5. The most conspicuous visible change that occurs in boys during

puberty is:

(a) development in voice box.

(b) increase in height.

(c) production of sperms.

(d) increased sweating.

6. In human females, each time during maturation and release of egg the inner wall of uterus thickens. Is this thickening permanent? Give reasons.

7. John and Radha were classmates since childhood. When Radha became eleven years old, she developed a little swelling on her neck. She visited the doctor who started medication for her. After a few years, John also developed a slight protrusion on his throat. He got worried and went to the doctor. But, the doctor assured him that it was a normal feature in boys while they are growing up. Can you think of any reasons for the difference in diagnoses?

8. Draw the male and female reproductive system

10. Make the list of all the endocrine gland and their functions.

11. What is the importance of reproduction?

12. In markets, eggs of birds are available but never eggs of dogs. Why?

13. Hens and frogs are both oviparous exhibiting different types of fertilisation. Explain.

14. Why are wildlife sanctuaries important for conservation of plants and animals?

15. Why are endemic organisms in greater danger of becoming extinct?

16. How are even small animals important in an ecosystem?

17. A new species X is introduced in a forest. How is it likely to affect the local species of that area?

18. Does soil erosion affect the fertility of soil? How?

19.. What is the unique feature of the biodiversity found in Panchmarhi Biosphere Reserve?

20. Why should we save paper?

SOCIAL SCIENCE

Question 1- In which three periods did James Mill divide Indian history?

- a) Hindu, 'Muslim' and 'British'
- b) Ancient, Medieval' and Modern'
- c) 'Pre-historic, Ancient' and Modern'
- d) None of the above

Question 2-When did Company government introduce Permanent Settlement Act in India?

- a) 1791 b) 1792 c) 1793 d) 1794

Question 3- What were outsiders called in Chotanagpur, Jharkhand?

- a) Dikus b) Santhals c) Banjaras d) Paavanas

Question 4- In which year did Delhi become the capital of British India?

- a) 1921 b) 1911 c) 1925 d) 1929

Question 5 - When was the state of Awadh annexed by the Company government?

- a) 1801 b) 1824 c) 1856 d) 1857

Question 6 - Who was the first Governor-General of India and who was the last Viceroy of India?

Question 7- By which name were the traders of the East India Company known in India?

Question 8- Explain the implications of the appointment of the Company as the Diwan of Bengal.

Question 9 - Which tribals from central India saw themselves as 'the people of the forest' and found it below their dignity to work as labourers for others?

Question 10 - Explain what are dargahs, khanqahs and idgahs.

Question 11 - Explain the reasons behind the dissatisfaction of the Company sepoys with the Company administration.

Question 12 - Explain how the Bengal economy landed up in a crisis under the Diwani of the Company.

SECTION B Civics

Question 1- In which year did the Indian National Congress make a demand for a Constituent Assembly?

- a) 1958 b) 1947 c) 1938 d) 1934

Question 2 - The Right to Equality bans the practice of which of the following practices

- a) Untouchability b) Sati
- c) Reservation
- d) Child marriage

Question 3- The Head of State in the Parliamentary System of government is

called

a) President b) Prime Minister c) Chief Minister d) Governor

Question 4 - The law cannot discriminate between persons based on their

a) Religion

h) Caste

c) Gender

d) All of these

Question 5- When was the Supreme Court of India established?

a)15 August 1947 b) 26 January 1950

c)15 August 1950 d)26 January 1947

Question 6 - What do we mean by the term Constitution? Question 7 - What do we mean by 'Separation of powers'?

Question 8 - Explain the concept of the 'Rule of Law.'

Question 9 - State any five functions of the Parliament.

Question 10 - Why is it important that government schools do not promote any one religion?

SECTION C Geography

Question 1- Which of the following components is the most essential component for developing resources?

a) Nature

b) Human

c) Technology

d) None of the above

Question 2- What does sustainable development mean?

a) Carefully utilising resources.

b) Meeting the requirement of the present.

c)Taking care of future generations.

d) All of the above

Question 3- What is the percentage of forest area in India?

a) 22% b) 3% c) 23% d) 21%

Question 4 - Which of the following countries has the highest percentage of forest land?

a) UK

b) USA

c) Japan

d) Russia

Question 5 - Which country is the largest producer of bauxite in the world? [1)

a) China

b) Australia

c) Brazil

d) India

Question 6 - What is a resource? What makes a substance a resource?

Question 7 - What is a patent?

Question 8 - What is the difference between private land and community land? What are community lands also known as?

Question 9 - What are the reasons for uneven distribution of population in different parts of the world?

Question 10 - Name the leading producers of coal in the world.