

The page is framed by a decorative border of autumn leaves in shades of orange, yellow, and red. Various school supplies are scattered around the border, including a pair of red scissors, a paint palette with yellow and green paint, a calculator, a USB drive, a blue pen, a red pencil sharpener, a magnifying glass, a red alarm clock, a blue pushpin, a green pencil, a yellow pencil, a purple pencil, a red pencil, a silver pen, a blue pencil, and a red pencil. The background is a light yellow grid.

SURAJ
SURAJ

SURAJ SCHOOL

SUMMER HOLIDAY HOMEWORK

2024- 25

GRADE- 6

The page is framed by a decorative border of colorful pencils in various colors (red, blue, green, yellow, purple, orange, pink, brown) arranged in vertical rows. Wavy, colorful lines (blue, green, red) are interspersed among the pencils, creating a vibrant and artistic border. The central text is contained within a white rectangular box with a thin black border.

PREFACE

Dear Students & Parents,

Welcome to the Summer Adventure Homework!

Summer Vacation is a time students eagerly wait for which also brings much-needed respite from the hectic school days. We are thrilled to present this exciting array of activities designed to keep our middle school students engaged, inspired, and ready to explore new horizons during the break.

We at SURAJ believe that learning is a lifelong journey, and the summer holidays offer a valuable opportunity for students to continue their educational pursuits outside the traditional classroom setting. This homework has been thoughtfully curated by our **Research and Development Team** to provide a balance of academic enrichment, creative expression, and personal exploration, ensuring that our students remain intellectually stimulated and motivated throughout the summer months.

Inside these pages, you'll find a rich variety of activities designed to challenge, inspire, and spark curiosity in students. From thought-provoking writing prompts and stimulating math puzzles to hands-on science experiments, artistic endeavors, and community service projects, there's something here to captivate every young mind and encourage them to think critically, express themselves creatively, and make meaningful contributions to the world around them.

As you embark on this summer homework journey, use this time to explore new interests, pursue passions, and cultivate the skills and qualities that will empower you to succeed in the classroom and beyond.

With Love,

Suraj School

General instructions to be followed in summer vacation: -

- ❖ Revise and complete the whole work done till date.
- ❖ Display your creativity in holiday homework.
- ❖ Meditate for 10-15 minutes daily.
- ❖ Practice yoga for at least half an hour daily.
- ❖ As the summers are at its peak, start keeping water for the birds on regular basis.
- ❖ Increase your intake of fresh fruits and water to keep you well hydrated and energetic.

ENGLISH

Worksheet

Fill in the blanks with correct form of verb.

1) She asked him why he _____ sad.

- A. did
- B. was
- C. might
- D. could

2) Why _____ the man driving the bus so fast?

- A. are
- B. were
- C. is
- D. am

3) Government _____ to provide quality health care to the people.

- A. commit
- B. committing
- C. is committed
- D. will committed

4) He _____ in hurry for reaching the airport.

- A. were
- B. are
- C. was
- D. can

5)The flowers _____ smelled pleasantly.

- A. is
- B. were
- C. am
- D. will

6) How many types of nouns are there in English grammar?

- A.five
- B.four
- C.three
- D.one

7)Which nouns are the names given in common to all persons, animals, places or things of same kind?

- A.abstract
- B.proper
- C.common
- D.collective

8)Which nouns are the names of particular persons, animals, places or things?

- A.abstract
- B.proper
- C.common
- D.collective

9)Which nouns mean a group or collection of persons, animals or things altogether?

- A. abstract
- B.proper
- C.common
- D.collective

10)Which nouns describe untouchable things like ideas, feelings, concepts or qualities?

- A.abstract
- B.proper
- C.common

D.collective

Tell the type of each sentence given below.

11)Plants grow in their fields

- A)Declarative
- B)Imperative
- C)Exclamatory
- D)Interrogative

12)I have two friends.

- A)Declarative
- B)Imperative
- C)Exclamatory
- D)Interrogative

13)What a beautiful view it is!

- A)Declarative
- B)Imperative
- C)Exclamatory
- D)Interrogative

14)Where are they going with Ram?

- A)Declarative
- B)Imperative
- C)Exclamatory
- D)Interrogative

15)Shut the door.

- A)Declarative
- B)Imperative
- C)Exclamatory
- D)Interrogative

1.) Imagine you have an opportunity to enjoy a holiday trip with your favourite cartoon character.

Create a comic strip of 8- 10 pages, narrating your experiences of the trip.

Key points for creating a comic strip-

- An attractive cover page.
- Four square shaped boxes on each page.
- You can draw images or paste a print out of the characters.
- Dialogues should be in word- balloons/speech bubbles.

- Your comic strip should not have more than 5 characters.

HINDI

अभ्यास पत्रिका कक्षा -VI

1. शब्द किसे कहते हैं ?

- (i) वर्गों के समूह को (ii) वर्गों के सार्थक मेल को
(iii) वाक्य में प्रयोग किए गए शब्दों को (iv) इन सभी को

2. प्रयोग के आधार पर शब्दों के कितने भेद है ?

- (i) दो (ii) तीन (iii) चार (iv) पाँच

3. कौन सा शब्द तद्भव नहीं है ?

- (i) कुम्हार (ii) पिंजरा (iii) हाथी (iv) मयूर

4. मनुष्य शब्द उत्पत्ति के आधार पर किस तरह का शब्द है ?

- (i) तत्सम (ii) देशज (iii) तद्भव (iv) आगत

5. इनमें कौन सा शब्द रूढ़ शब्द है ?

- (i) पाठशाला (ii) पंकज (iii) पुस्तक (iv) पुस्तकालय

6. उत्पत्ति के आधार पर शब्द कितने प्रकार के होते हैं ?

- (i) दो (ii) तीन (iii) चार (iv) पाँच

7. दो शब्दों में समीपवर्ती वर्णों के मध्य मेल होने से जो परिवर्तन होता है उसे _____ कहते

हैं।

- (i) संधि
(ii) समास
(iii) प्रत्यय
(iv) उपसर्ग
8. संधि के कितने प्रकार हैं ?
- (i) दो (ii) तीन (iii)



चार (iv) पाँच

9. दो स्वरों के जुड़ने से जो परिवर्तन होता है उसे क्या कहते हैं ?

(i) स्वर संधि (ii) व्यंजन संधि (iii) दीर्घ संधि (iv) सभी

10. स्वर संधि के कितने प्रकार हैं ?

(i) छह (ii) तीन (iii) चार (iv) पाँच

11. रिक्त स्थान भरो-

(i) खाने के साथ यदि _____ भी हो तो मजा आ जाएगा। (आचार / अचार)

(ii) चाहे प्राण चले जाएँ, पर _____ का साथ मत दो। (अन्याय / अन्यन्या)

(iii) रामचरितमानस _____ भाषा में लिखी गई। (अवधी / अवधि)

12. रिक्त स्थानों में कोष्ठक में दिए शब्दों के उचित पर्यायवाची शब्द लिखिए।

(i) सप्ताह में _____ वासर होते हैं। (वासर)

(ii) ठिठुरते सर्दों में लकड़ियाँ इकठी कर हमने _____ जलाई। (पावक)

(iii) _____ को भूख से व्याकुल देख मेरा मन पसीज उठा। (रंक)

13. वाक्यांश के लिए सही शब्द चुनिए।

(i) जो अपने देश का हो – स्वदेशी, परदेशी, विदेशी

(ii) जो सोने के गहने बनाता है – लुहार, सुनार, कुम्हार

(iii) जो सेना में काम करे – सेवक, सैनिक, सेनाकार

14. कौन सा भेद संधि का नहीं है।

(i) स्वर संधि (ii) व्यंजन संधि (iii) जल संधि (iv) विसर्ग संधि

15. हरिश्चंद्र में कौन सी संधि आएगी।

(i) स्वर संधि (ii) व्यंजन संधि (iii) जल संधि (iv) विसर्ग संधि

2.) भूकंप जब आता है, विनाशलीला दिखलाता है

हाल ही में आए किसी भूकंप जैसे – ताइवान, जापान, नेपाल, इंडोनेशिया पर समाचार – पत्रों या इंटरनेट से जानकारी प्राप्त करें और उसके आधार पर एक **केस स्टडी** तैयार करें ।

- भूकंप कौन से देश में आया था?
- भूकंप का केंद्र कहाँ था?
- भूकंप की तीव्रता कितनी थी?
- भूकंप का प्रभाव कहाँ – कहाँ दिखाई दिया?
- भूकंप आने का कारण क्या था?



भूकंप में जान और माल का कितना नुकसान हुआ? जानकारी एकत्रित करके विस्तार से लिखो।

3.) पुस्तक कवर डिजाइन करें

आपको अपनी कहानी के लिए जो आप पढ़ रहे हैं उसके लिए एक प्रभावी पुस्तक कवर डिजाइन करना है।

आपको यह सोचना है कि आप कैसे अपनी रचनात्मकता को अपनी कहानी के पात्रों, चरित्र या घटनाओं के माध्यम से अपने पुस्तक कवर पर दर्शाते हुए अपने नए पाठकों को आकर्षित करते हैं।



MATHS

Worksheet

1.If 1 is added to the greatest 7-digit number, it will be equal to

(a) 10 thousand (b) 1 lakh (c) 10 lakh (d) 1 crore

2.

The expanded form of the number 9578 is

(a) $9 \times 10000 + 5 \times 1000 + 7 \times 10 + 8 \times 1$

(b) $9 \times 1000 + 5 \times 100 + 7 \times 10 + 8 \times 1$

(c) $9 \times 1000 + 57 \times 10 + 8 \times 1$

(d) $9 \times 100 + 5 \times 100 + 7 \times 10 + 8 \times 1$

3. The largest 4-digit number, using any one digit twice from digits 5, 9, 2 and 6, is

(a) 9652 (b) 9562 (c) 9659 (d) 9965

4. One million is equal to

(a) 1 lakh (b) 10 lakh (c) 1 crore (d) 10 crore

5. Which of the following pairs is not coprime?

(a) 8, 10 (b) 11, 12 (c) 1, 3 (d) 31, 33

6. LCM of 10,15 and 20 is

(a) 30 (b) 60 (c) 90 (d) 180

7. The sum of the prime factors of 1729 is

(a) 13 (b) 19

(c) 32 (d) 39

8.If two lines in the same plane do not intersect, are called

(a) Parallel line

(b) Intersecting Line

(c) Co – Intersect line

(d) Dotted Line

9.Radius of a circle r has a diameter of length

(a) $2r$

(b) r

(c) $r/2$

(d) $4r$

10. A chord of a circle passing through its centre is equal to its

- (a) None
- (b) Circumference
- (c) Diameter
- (d) Radius

11. The total number of diameters of a circle is

- (a) 10
- (b) 200
- (c) 2
- (d) Infinity

12. The longest chord of a circle is equal to its

- (a) Radius
- (b) Diameter
- (c) Perimeter
- (d) None

13. Diameter of a circle 4cm. Radius of the circle is _____

- (a) None
- (b) 8cm
- (c) 1 cm
- (d) 2 cm

14. Prime factorisation of 84 is

- (a) $2 \times 2 \times 3 \times 5$
- (b) $2 \times 2 \times 3 \times 7$
- (c) $2 \times 2 \times 3 \times 6$
- (d) None

15. Prime factorisation of 50 is

- (a) $2 \times 5 \times 5 \times 5$
- (b) $2 \times 5 \times 5$
- (c) $2 \times 2 \times 5$
- (d) $2 \times 2 \times 5 \times 2$

10.) FRACTION CAFE

You have your own Café; you are having a get together and are expecting 30 guests.

You plan on serving Banana Bread, Chocolate Chip Cookies, and Sugar Cookies.

Using the three recipes given, work with your mother to create recipe cards to feed 30 people.

Next, total up the ingredients needed.

Then, check to see how much of each product needs to be purchased based on what is already on hand.

Finally, create a display of your project that showcases your creativity in a scrab book with cover page.

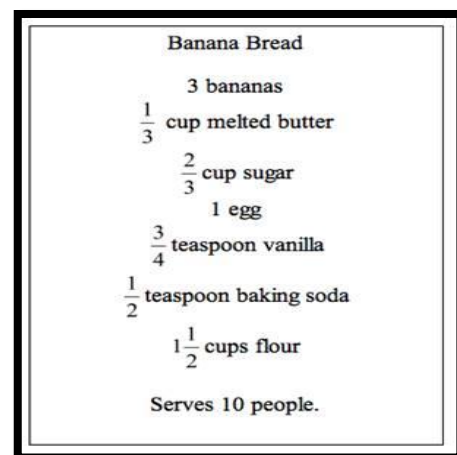
Give any name to your café.

- a) Use your knowledge of fractions to re-write recipe for Banana Bread. The card states that it serves 10 people.

Now you make the card of **Banana Bread** recipes according to your roll no.

Enough for 20 guests (Roll No. 1 to 10)

Enough for 30 guests (Roll No. 11 to 20)



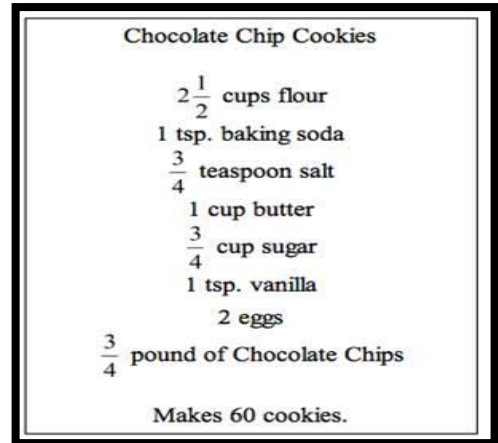
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- b) **Chocolate Chip Cookies**

Enough for 20 cookies (Roll No. 21 to 30)

Enough for 30 cookies (Roll No. 31 to 40)


Show your work neatly in a scrapbook and then re- write the recipe card.



11.) Make a “**Fact Book**” on an A3 size pastel sheet to illustrate the Solar System to represent the Distance of various planets from the Sun. Now, express in words using Indian & International system in the tabular form as shown below.

S. No.	PLANETS	Distance from Sun	Indian System	Number Name	International System	Number Name

12.) You're planning a trip to the **water park** and there are many ticket options. Use a strategy of your choice and the price list. Refer to the sample given below to answer the following questions:

ENTRY		EXTRAS
1-Day Pass ₹32		5-minute helicopter ride ₹42
2-Days Pass ₹48		10- minute helicopter ride ₹74
Annual Pass ₹99		30-minute helicopter ride ₹209
Individual rides ₹12		Sunset cruise ₹12
10 – rides Pass ₹95		Lunch cruise ₹22
Order online ₹5 discount		Swim with the dolphins ₹75

Now answer the following questions

- If you buy a 2- day pass, what is the cost per day? _____
- How much cheaper is this option than buying two 1- day passes? _____
- If you bought an annual pass, how many times would you need to visit to make it a better option than buying either a 1-day or 2-day pass? _____
- What if you choose just the rides? How much would you save if you bought the 10-ride pass instead of the individual rides? _____
- If you took a 5-minute helicopter ride, what would be the cost per minute?

- If you chose the 10-minute flight option, what would be the cost per minute?

- Plan a day's itinerary for you and a partner. How much will this cost?

13.)

	A	B	C	D	E
V	1	2	3	4	5
W	6	7	8	9	10
X	11	12	13	14	15
Y	16	17	18	19	20
Z	21	22	23	24	25

Answer the following

- The sum of odd numbers in column B _____
- The sum of prime numbers in row X _____
- The sum of factors of 20 in column E _____
- The sum of even numbers in row Y _____
- Add the sum of multiples of 2 in column A and multiples of 5 in row Z _____

14.) Do the following assignment in a separate thin note book:

A. 1023 and 1078 both are divisible by 11. Therefore $1023 + 1078$ will be divisible by

- 3
- 7
- 11
- 13

B. Number 10824 is divisible by

- Divisible by 11.
- Divisible by 3,11.
- Divisible by 2,3,4,6,9,11
- Divisible by 2,3,4,6,11

C. Untrue statement about the number '2' is

- a) 2 is smallest prime number
- b) Every prime number other than 2 is odd
- c) Multiples of 2 are prime numbers
- d) 2 is a smallest even number

D. The smallest 5-digit number using two different digits is:

- a. 10001 b. 11110 c. 10000 d. 10111

E. Which of the following numbers is the smallest?

- a. Ten Lakh Seven
- b. One Million One Hundred Thousand
- c. One Million Two
- d. Twelve Lakh

F. The greatest number which when rounded off to the nearest thousands as 7000, is

- a. 6500 b. 6549 c. 7499 d. 6499

G. The difference between the place values of 6 and 3 in 256839 is _____.

- a. 3 b. 9 c. 6800 d. 5970

H) Find the sum of the greatest and the least 6-digit number formed by the digits 2, 0, 4, 7, 6, 5 using each digit only once.

I) Radius of the earth is 6400 km and that of Mars is 4300000 m. whose radius is bigger and by how much?

J) Estimate by rounding off to the greatest place.

- a. $76877 - 7783$ b. 1385×789

K) There are 785 students on roll in a school. If the annual fee per student is 62,606. What is the total fee collected by the school?

- L) Convert 4km 20m 13cm 4mm into mm and write the answer in words in both Indian and International system of numeration.
- M) The sum of my digits is 12. When rounded off to the nearest hundreds, I am 500. Rounding to the nearest tens makes me 530. What am I?
- N) Rearrange the digits of 1,02,30,007 to make the largest and the smallest number. Find the difference between the place values of 2 in these 2 numbers.
- O) Simplify the following:
- a) $976 - 428 \div 428$. b) $4597 \times 91 + 9 \times 4597$

SCIENCE

Worksheet

1. Which of the following floats on water?

- (a) Wax
- (b) Marble
- (c) Coin
- (d) Eraser

2. Which of the following is a matter?

- (a) Air
- (b) Steel
- (c) Water
- (d) All of these

3. Which of the following is not a matter?

- (a) Carbon
- (b) Air

- (c) Milk
- (d) Sadness

4. Anything that has a mass and occupies space is called

- (a) classification
- (b) volume
- (c) matter
- (d) air

5. Which of the following has a fixed shape?

- (a) Iron
- (b) Oxygen
- (c) Milk
- (d) CO₂

6. Which of the following can be compressed easily?

- (a) Stone
- (b) Iron
- (c) Steel
- (d) Gas

7. The process of grouping the things on the basis of similar properties is called

- (a) roughness
- (b) classification
- (c) matter
- (d) arrangement

8. Which gas is responsible for fizz in soft drinks?

- (a) Oxygen
- (b) Hydrogen
- (c) Nitrogen
- (d) Carbon dioxide

9. Transparent materials allow the light to pass through them

- (a) partially
- (b) completely
- (c) sometimes only
- (d) not at all

10. Tables are made up of

- (a) plastic
- (b) wood

- (c) leather
- (d) both (a) and (b)

11. Which of the following is transparent?

- (a) Wood
- (b) Stone
- (c) Glass
- (d) Mirror

12. Mixtures need to be separated because

- (a) to remove undesirable substances
- (b) to get desirable substances
- (c) to obtain highly pure substances
- (d) all of the above

13. The method of separation used to separate stones from rice is

- (a) handpicking
- (b) threshing
- (c) winnowing
- (d) all of these

14. Butter is separated from milk by

- (a) sedimentation
- (b) filtration
- (c) churning
- (d) decantation

15. The separation of grains from husk is done by the process of

- (a) handpicking
- (b) sieving
- (c) winnowing
- (d) threshing

16. Filtration is a method to separate the components of a

- (a) solution
- (b) mixture of a liquid and an insoluble substance
- (c) both (a) & (b)
- (d) pure substance

17. A solid is dissolved in water. Which one of the following methods can be used to separate it?

- (a) Filtration
- (b) Decantation

- (c) Distillation
- (d) Evaporation

18. Which of the following method is used when there is a difference in size and colour of desirable and undesirable constituents?

- (a) Handpicking
- (b) Threshing
- (c) Filtration
- (d) Decantation

19. The components of a solution of sugar in water can be separated by

- (a) filtration
- (b) crystallisation
- (c) decantation
- (d) sedimentation

20. Which of the following mixtures cannot be separated by using water as solvent followed by filtration and evaporation?

- (a) Sand and sugar
- (b) Salt and chalk powder
- (c) Sand and sulphur
- (d) Blue vitriol and sand

19.) If I were a herbs

Plants known to have rich healing properties are called medicinal plants. Their seeds, fruits, roots, leaves, bark or flowers are used for medicinal value. Plants such as Neem, Tulsi, Eucalyptus, Mint, Peppermint, Lemon grass, etc. are some common plants that have high medicinal properties.

- If you could be a medicinal plant which one would you choose to be?
- Write an autobiography of any medicinal plant that you have in your home.
- Make pictures also to support your autobiography.
- For example- Aloe Vera

I am Aloe Vera. My seed was sown by I was planted by.....I tookdays to come out from the soil. (For seed only). I grow in dry conditions and there is no need to water me regularly. When I was small I had small leaves. Leaves grew with time. My leaves are green in colour and contain clear liquid full of vitamins. I help in wound healing and also help in curing skin diseases. My gel is widely used in---

- Food as flavoring agent
- Cosmetics
- Herbal remedies

One day somebody plucked my leaf. It was painful. But, I tolerated. After all, my life is to cure the diseases only. Then I grew taller. I had developed many plants by my side. So one day the land lady separated all the plants and planted them in different pots. Now I am growing old. I am waiting for the last day of my life. I have all the satisfaction that my life helped many to cure them of their diseases.





SOCIAL STUDIES

Worksheet

MCQs

1. Where is the Neolithic site of Mehrgarh located?
a. India b. Afghanistan c. Nepal. d. Pakistan
2. Where is the Neolithic site Burzahom located?

a. Assam b. Jammu Kashmir. c. Ladakh d Arunachal Pradesh

3. The Great bath is located at:

a. Dholavira. b. Lothal. c. Harappa. d. Mohenjodaro

4. In which hemisphere the Antarctic circle located?

a. Northern b.Southern c.Eastern d. Wesstern

5. How many climatic zones are divided on earth?

a. Two. b.Three. c.Four. d.none of these

6. The day and nights are equal at the time of:

a. Equinox. b.Dawn. c.Dusk. d.Solistic

7. The central legislature of our country is the:

a. Supreme court b. High court c. Parliament d. None of these

8. In India women were given the right to vote in:

a.1918. b.1952. c.1930. d.1951

9. Adolf Hitler was the head of a:

a. Dictatorship. b. Monarchy c. Anarchy. d. Democracy

10. Right against untouchability is mentioned in:

a. article 16. b. article 14 c.article 15 d.article 17

Fill in the blanks.

1. The _____ the highest court in India.
2. Dr Bhimrao Ambedkar was born in _____ .
3. The right to vote is called _____ .
4. The maximum distance between any two longitudes is at the _____.
5. The fixed path on which the Earth revolves is called _____.
6. A leap year comes after every _____ years.
7. The standard meridian of India is _____.
8. Lothal and dholavira are located in _____.
9. _____ civilization is called the cradle of civilization.
- 10.The time period Indus valley civilization _____ BCE to _____ BCE

Write down the full form of following:

1. IST
2. GMT
3. BCE
4. IDL
5. WHO

21.) Make a poster on Father's Day.

22.) Design a coin for the ancient civilizations like Harappa, Indus Valley, Gupta Dynasty, etc on A3 Sheet.

23.) Chandrayaan 3 is the third mission to the Moon in July 2023. Research the following about Chandrayaan 3:

- Date of launching
- Name of the space centre
- Date of landing on the moon
- More about the mission

The End