

M.P.S.M. GRACE CONVENT SCHOOL
Holiday Homework (2023-24)
Class 8th

English I

1. The students are directed to read newspapers and magazines daily and write two new words daily along with their meanings and make sentences of your own in English notebook.
2. Write one page daily in cursive handwriting.
3. Make chart of Tenses.
4. All the students are requested to revise Chapter 1 to 12.
5. Make chart of Direct and Indirect speech.
6. Learn and write 20 most common English idioms in English notebook.
7. Learn and write 20 synonyms and 20 antonyms in English notebook.
8. Write a diary entry in not more than 120 words describing the fun you had in the summer vacations.

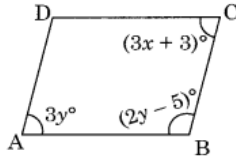
English II

1. Read one page daily. Give reference to your English textbooks.
2. Write one page daily in cursive handwriting.
3. Make your own dictionary by giving reference to English textbooks. (words must not be less by 200)
4. Write any poem from your English book on a chart paper and decorate it as you can.

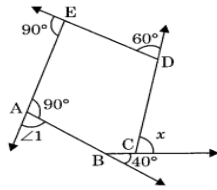
Maths (ch-1,2,3,4,5)

- Question 1. Pick up the rational numbers from the following numbers.
 $6/7, -1/2, 0, 1/0, 100/0$
- Q.2- Find the reciprocal of the following rational numbers:
(a) $-3/4$ (b) 0 (c) $6/13$ (d) $5/-9$
- Q.3- If $a = 1/2, b = 3/9$, verify the following:
(i) $a \times b = b \times a$ (ii) $a + b = b + a$
- Q.4- Multiply $5/8$ by the reciprocal of $-3/8$.
- Q.5- Find a rational number between $1/2$ and $1/3$.
- Q.6- Write the additive inverse of the following:
(a) $-6/7$ (b) $101/213$
- Q.7- Represent the following rational numbers on number lines.
(a) $-2/3$ (b) $3/4$
- Q.8- Find 7 rational numbers between $1/3$ and $1/2$.
- Q.9- If $x = 1/2, y = -2/3$ and $z = 1/4$, verify that $x \times (y \times z) = (x \times y) \times z$.
- Q.10- Solve the equation $14y - 8 = 13$.
- Q.11- solve $2(x+2)+5(x+5)=4(x-8)+2(x-2)$
- Q.12- solve $(x-7)/3 = (x-1)/5$
- Q.13- solve $6x-9-2(1+x)=x-9$
- Q.14- The sum of three consecutive multiples of 8 is 888. Find the multiple.
- Q.15- Five years ago, Anu was thrice as old as Sonu. After ten years, Anu will be twice as old as Sonu. How old are Anu and Sonu?
- Q.16- The perimeter of a rectangular swimming pool is 154 meters. Its length is 2m more than twice its breadth. What are the length and the breadth of the pool?
- Q.17- The denominator of a fraction is greater than the numerator by 8. If the numerator is increased by 17 and denominator is decreased by 1, the number obtained is $3/2$. Find the fraction.
- Q.18- A quadrilateral has three acute angles, each measure 80° . What is the measure of the fourth angle?
- Q.19- The angles of a quadrilateral are in the ratio of $1 : 2 : 3 : 4$. What is the measure of the four angles?
- Q.20- The opposite angles of a parallelogram are $(3x + 5)^\circ$ and $(61 - x)^\circ$. Find the measure of four angles.
- Q.21- In quadrilaterals,
(i) which of them have their diagonals bisecting each other?
(ii) which of them have their diagonal perpendicular to each other?
(iii) which of them have equal diagonals?
- Q.22- Adjacent sides of a rectangle are in the ratio $5 : 12$, if the perimeter of the rectangle is 34 cm, find the length of the diagonal.
- Q.23- How many sides do a regular polygon have, if the measure of an exterior angle is given as 24° ?
- Q.24- Write any 5 rational numbers between $-5/6$ and $7/8$.
- Q.25- If the sum of two consecutive numbers is 11, find the numbers.
- Q.26- If the length of the rectangle is increased by 40% and its breadth is decreased by 40%, what will be the percentage change in its perimeter?
- Q.27- The angles of a quadrilateral are in the ratio of $2 : 3 : 5 : 8$. Find the measure of each angle.

Q.28- In the given parallelogram ABCD, find the value of x and y.



Q.29- Find x in the following figure.



Q.30-When a die is thrown, list the outcomes of an event of getting:

- (i)(a) a prime number. (b) not a prime number
 (ii) (a) a number greater than 5. (b) a number not greater than 5.

Q.31-The weekly wages (in Rs.) of 30 workers in a factory are: 830, 835, 890, 810, 835, 836, 869, 845, 898, 890, 820, 860, 832, 833, 855, 845, 804, 808, 812, 840, 885, 835, 835, 836, 878, 840, 868, 890, 806, 840. Using tally marks, make a frequency table with intervals as 800 – 810, 810 – 820 and so on.

Q.32- Numbers 1 to 10 are written on ten separate slips (one number on one slip), kept in a box and mixed well. One slip is chosen from the box without looking into it. What is the probability of:(i) getting a number 6? (ii) getting a number less than 6?

(iii) getting a number greater than 6? (iv) getting a 1-digit number?

Q.33- 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?

Q.34-Construct a pie chart for the given data:

Method of travel	Walk	Bike	Car	Bus
Frequency	9	3	6	12

Q.35-In a deck of 52 cards, what is the probability of getting:

- (a) Black cards (b) Red Cards (c) Face Cards

Q.36-How many numbers lie between squares of the following numbers?

- (i) 12 and 13. (ii) 25 and 26

Q.37- Write a Pythagorean triplet whose one member is:

- (i) 6. (ii) 16. (iii) 18

Q.38-Show that 121 is the sum of 11 odd natural numbers.

Q.39- Show that the sum of two consecutive natural numbers is 13 square .

Q.40- Use the identity and find the square of 189.

Q.41-Find the square roots of 100 and 169 by the method of repeated subtraction.

Q.42- Find the square root of 729 using factorisation method.

Q.43- Find the smallest whole number by which 1008 should be multiplied so as to get a perfect square number. Also, find the square root of the square number so obtained.

Q.44- Find the smallest square number that is divisible by each of the numbers 8, 15 and 20.

Q.45-Find the square root of 7921 using long division method.

Q.46-Find the square root of 42.25 using long division method.

Q.47- Find the length of the side of a square whose area is 441 m².

Q.48-Find the least number which must be added to 1750 so as to get a perfect square. Also, find the square root of the obtained number.

Q.49- Make any project related to above chapter.

Q.50- Learn and write tables 2 to 20.

Science

1. Learn and write book exercise of chapter 3 to 5.
2. Learn and write short and long question answer of chapter 1 and 2
3. Make a chart on three RS from page number -47 or Save the tiger from page number -97

Social Science

1. Report writing on condition of Indigo cultivators in British India you look help from the source given in your textbook.
2. Prepare character sketch of the following:
 - a. Tipu Sultan
 - b. Sirajuddaula
 Give one incident in their life.
3. Pictures of all the measure member of constituent assembly and prepare chart while highlighting their status.
4. Right slogan on the theme water conservation and proper management of resource on chart paper.

5. Do written practice of all worksheet of your workbook.

6. Fill the map in map book number in 1,2,5,6,7.

Note: The chart which are good looking will be displayed on the school notice board.

Hindi

(उल्लास)

1-पाठ 1 से 6 तक प्रश्न संख्या 4,5,6 प्रश्न -उत्तर याद करके लिखें।

(व्याकरण)

2-मेरी रेल यात्रा, अथवा जीवन में योग का महत्व, विषय पर एक निबंध लिखिए।

3-'आदर्श विद्यार्थी के गुण, अथवा 'लॉक डाउन का समय, विषय पर एक अनुच्छेद लिखिए।

4-वन महोत्सव के अवसर पर वृक्षारोपण कार्यक्रम आयोजित करने का अनुरोध करते हुए प्रधानाचार्य को एक पत्र लिखिए।

5-आपका विद्यालय छात्रों को शैक्षिक भ्रमण पर 1 सप्ताह के लिए देहरादून ले जा रहा है। जिस की फीस ₹5000 है। अपने पिता से भ्रमण पर जाने की अनुमति मांगते हुए एक पत्र लिखिए ।

Computer

Chapter 1

1. Suppose Kunal wants to connect to the computer network. What hardware components are required to connect to the computer network? Explain

2. Suppose Kajal and a friends are listening a song together. Her friend wants her to send that song to her mobile phone. Which wireless technology she can use to send the song?

3. You have a studied about the OSI model in this chapter. Find out and learn the TCP/IP model and its working.

4. Open a web browser and find out about various types of protocols used for data transmission. Write down about any five protocols.

5. Create a presentation on the topics given below and present it in your notebook.

(a) Types of computer network

(b) Network topology

(c) Network components

Chapter 2

1. Supposed Dani has created a table "Employees Details" in database. He wants to sort the data according to the names of the employees. How can he do this task? Explain.

2. Preet wants to add one more field in an existing table. Which steps she can follow to perform this task?

3. While creating a table in Access we usually assign a primary key in a table. What is primary key? What is the use of primary key? Explain in brief.

4. Open a web browser and find out what is Query in Access. Define query in brief.

5. Create a presentation on the topic "Types of database models" and present it in your notebook.