



Manav Rachna International School

Eros Garden, Charmwood Village, Faridabad

Session – 2017-18

HOLIDAY HOMEWORK

Class –VII

ENGLISH

FOCUS: READING

"A reader lives a thousand lives before he dies. The man who never reads lives only once."

Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

Read the novel (prescribed in your syllabus) thoroughly and do the following assignment according to your roll number.

GROUP(ROLL NO.)	WORK TO BE DONE
I(1 TO 8)	Describe the various characters in the novel highlighting their qualities with examples from the text.
II(9—15)	Analyse the plot (storyline) of the novel .
III(16—23)	Describe the major incidents in the novel.
IV(24— 35)	Write a review of the novel

- Make a list of new words with their meanings you learnt while reading the novel. Use any ten of them to make sentences of your own.

Explore your creativity to the fullest and present the above assignment in any of the given forms :

Ppt /Movie / Comic strip /Dialogue form .

You can submit the assignment in soft (email/through pendrive) form or a hard copy (handwritten on A4 SIZE Coloured sheets)

- Revise thoroughly 'Tenses' handout mailed to you and complete the given worksheets .Stick the worksheets in your English notebook.

HINDI

- निम्नलिखित गृहकार्य को A4 साइज पेपर पर करके एक सुन्दर फ़ाइल बनाएँ |
- 1.दादी माँ के व्यंजन व् आज के समय के व्यंजनों का अंतर " खानपान की बदलती तस्वीर "पाठ के आधार पर चित्रों के माध्यम से कोलाज़ तैयार कीजिए |
- 2. रंग-बिरंगे कंचे बेचने हेतु विज्ञापन का निर्माण कीजिए |
- 3.दादा-दादी, नाना-नानी एवं बड़े बुजुर्गों से चर्चा करके पाँच घरेलू उपचारों के बारे में लिखिए |

MATHEMATICS

Dear Children

At last much awaited summer holidays have begun. Holidays are a well deserved opportunity to relax and rewind by indulging in activities that are pleasurable and at the same time educative. A blissful break is here and it's time to take a dip into the ocean of knowledge.

Holidays Homework has been designed to

*fire the imagination of students while exciting them to explore, discover and reinvent.
develop a positive attitude towards learning Mathematics.*

perform mathematical operations and manipulations with confidence, speed and accuracy.

think and reason precisely, logically and critically in any given situation.

develop investigative skills in Mathematics and appreciate the role, value and use of Mathematics in society.

identify, concretize, symbolize and use mathematical relationships in everyday life.

Learning helps you to foster empathy, morality, critical thinking, imagination and creativity; it not only broadens your interest, sparks your passions but also inspires you to think and do the great things. So open your arms and welcome your summer break and twist them towards your growth, physical, mental as well as intellectual.

GENERAL INSTRUCTIONS:

- 1. Submit your work in a notebook with a cover page.**
- 2. Present your work neatly and as creatively as possible.**
- 3. The work should be hand written.**
- 4. Work out the rough calculation on the right side of each page in rough work column.**
- 5. Each worksheet needs to be done as per the time given. Try to manage your time accordingly.**



WorkSheet – 1

MENTAL MATHS CORNER

Time – 10 min.

1. The successor of -175 is -----
2. The product of 11 negative integers is -----integer.(positive/negative)
3. $\frac{5}{8}$ of a kilogram is = -----grams.
4. Two numbers whose HCF is 1 are called -----
5. $31.7895 \times 1000 =$ -----
6. $1.00004 - 0.4 =$ -----
7. Absolute value of $-\frac{5}{9} =$ -----
8. -----numbers includes integers and fractions .

9. -----must be added to $a^3 - b^3$ to get $-2b^3$
10. Two terms not having same variable factors are called -----(like/unlike terms)
11. The expression $-2z + 6y - 7x$ is a -----(Trinomial / binomial)
12. On subtracting $3xy$ from $-7xy$, we get -----



WORKSHEET – 2

Time – 20 min

1. What should be added to $17\frac{4}{21}$ so that the sum is 20 .
2. Of $\frac{2}{3}$ and $\frac{5}{9}$, which is greater and by how much.
3. The difference of an integer x and (-6) is 4. Find the value of x .
4. The sum of 2 integers is 14. If one of them is -8 , then find other number.
5. Sajal can walk $2\frac{2}{5}$ Km in an hour. How much distance will he cover in $3\frac{1}{3}$ hours?
6. Evaluate $(3.5 + 5.75) \times 4.5$
7. Solve by distributive property $99 \times (-28) + (-28)$
8. By what number should -1331 be divided to obtain -11 ?
9. Find the value of $5x + 3y - 7z$ if $x=1$, $y = -1$ and $z = -2$.
10. Which is greater $(-7 - 8) \times 9$ or $7 - (-8 \times -9)$?

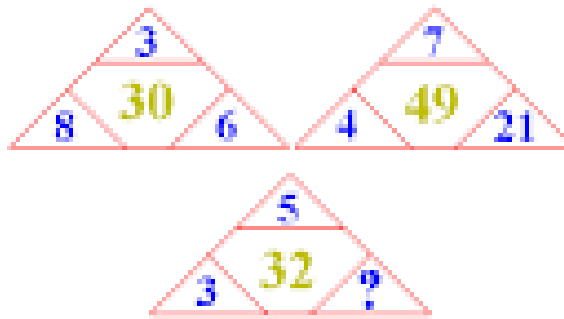
Only for Genius...

IF: 1112 = 25
1113 = 36
1114 = 47
1115 = 58

Then: 1117 = ??



1. Give 2 examples each of cubic polynomial and quadratic polynomial.
2. Find the value of $[400 \times (-20)] \div [(-250) \times (-8)]$
3. Multiply the sum of $-3/11$ and $5/22$ by the product of $4/7$ and $-14/9$.
4. The product of 2 decimal numbers is 1.599 and one of them is 0.65, find the other.
5. A rectangular sheet of paper is $15\frac{3}{4}$ cm long and $12\frac{1}{2}$ cm wide. Find its perimeter and area.
6. What should be subtracted from $2a + 8b - 10$ to get $3a - 5b + 7$?
7. If $Z = 10$, find value of $Z^3 - 3(Z - 10)$.
8. Verify that $(a \div b) \div c \neq a \div (b \div c)$ for $a = -225$, $b = 15$ and $c = -3$.
9. Find the value of $(-10 - 10) \div \{-10 - (-10 - 10)\}$
10. Write 4 pairs of 2 integers such that their product may be 64.



WORKSHEET - 4

MORAL CORNER

TIME - 50 MIN

1. Shikha plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is $\frac{3}{4}$ m. Find the distance between the first and the last sapling. Why is planting saplings important for us?
2. A taxi driver charges ₹ 27.20 per km. Rahul hired the taxi for a day and travelled 85.4 km. The driver charged him ₹ 2500.
 - (a) How much did Rahul pay extra?
 - (b) Do you think the taxi driver was honest? Why / why not?
3. In a quiz, ₹ 300 are awarded for every correct answer and a penalty of ₹ 75 is put for every incorrect answer. Madhuri answered 15 questions out of which only 6 answers were correct. How much money earned by Madhuri in the quiz?

If she distributes the money earned by her to poor children in the neighbourhood ,what values are being promoted ?

4 . A farmer had a large field of dimensions 1396.5 m by 272.72 m . Find the area of the field . He left $\frac{1}{6}$ of this area to make a playground for the children of locality . Find the area of the playground . Which value of the farmer is reflected in this act ?

5 . Seema had one sandwich for her lunch and her two friends in the class forgot to bring their lunch . Seema decided to share equally her sandwich with her friends. How much part of the sandwich each girl will get ? What have you learnt by this behavior of Seema ?

6. Reena donated $\frac{1}{5}$ of his monthly income to an NGO working for the education of old women , $\frac{1}{4}$ of his salary spent on food , $\frac{1}{3}$ on rent and $\frac{1}{15}$ on other expenses . If he is left with ₹ 9000 , find his monthly income . What values are being promoted ?

7 . On her birthday , Nikita had 60 balloons . She kept 12 balloons and distributed the remaining equally among her 8 friends .

(a) What value does Nikita show by this gesture ?

(b) How many balloons did each of her friends get ?

What's the next number in the pattern?

1
11
21
1211
111221
312211
13112221
?

1. Complete the magic square so that the product of the number in any row , column or diagonal is – 1728.

36	2	
	-12	

- 2 The sum of two numbers is 10 . Their product is 20 . Find the sum of the reciprocals of the two numbers .
- 3 My father owns a small rose garden . My sister Rita has a share of $\frac{3}{5}$ of it and my sister Gita has twice as much as myself . What fraction of the rose garden belongs to me ?
- 4 Taking today as zero on the number line , if the day before yesterday is 17 January , what is the date 3 days after tomorrow ?
- 5 Find two positive rational numbers whose : (a) sum is 1 and divided by the greater , the result is $\frac{1}{2}$.
 (b) sum is $\frac{3}{4}$ and if greater is divided by the smaller , the result is 2 .
 (c) sum is 0.5 and if greater is divided by the smaller , the result is 1.5 .
 (d) sum is 9.9 and if greater is divided by the smaller , the result is 1.75 .
- 6 Product of three fractions is $\frac{13}{28}$. If two of them are $\frac{12}{7}$ and $\frac{1}{6}$, find the third fraction.
- 7 Find an integer which when multiplied by -1 and divided by -9 results into reciprocal of that integer.
- 8 Represent $\frac{7}{3}$ and $-\frac{7}{3}$ on the number line .
- 9 Insert 10 rational numbers between $-\frac{2}{7}$ and $\frac{3}{5}$.
- 10 Let $A = 3x^2 + 5x - 6$, $B = 2x - 8x^2 + 9$ and $C = 7 + 5x^2 - 3x$ then find the value of $A + B - C$.
- 11 Simplify - : $(10 x^2 y^3 - 15 x^2 y^2 + 5 x y^2) + (2 x^2 y - 3 x^2 y^2 + 4) - (6 x^2 y - x y^2 - 15 x^3 y^2)$
- 12 A cloth shrinks 0.8 % when washed . What fraction shrinks? .
- 13 If $c = 7$ and $d = -2$ find the value of $(2c^2 + d^3) / 4d$.
- 14 Add the product of (-14) and (-12) to the quotient of (-144) by (-4) .
- 15 Simplify - : $[(\frac{3}{2} + \frac{3}{4}) \times 2\frac{3}{5}] \div [2\frac{2}{5} \times (1\frac{2}{3} - 1\frac{1}{4})]$

MATH TEST!

$$3 + 3 \times 3 - 3 + 3 = ?$$

- a) 18
- b) 12
- c) 03
- d) 06

WORKSHEET – 6

MENTAL ABILITY

TIME – 30 MIN

OBJECTIVE - Check your mental level itself

1 . Complete the series (a) 1,2,5,12,27,58,121, -----

(b) 97,86,73,58,41,-----

2 . How can you make a total of 1,000 by using sixteen 4 's ?

3 . There is a number whose double is greater than its half by 45 . Can you find this number ?

4 . Shown in the sketch are 6 matchsticks . Can you rearrange them to make nothing ?



5 . In a class of 49 students , Ramesh's rank is 18th . What is his rank from the last ?

(a) 18

(b) 19

(c) 31

(d) 32

6 . XZY : WVU :: CAB :-----

(a) UVW

(b) ABC

(c) FED

(d) DEF

7 . If SHARP is encoded as 58034 and PUSH as 4658 then RUSH is encoded as

(a) 3568

(b) 3685

(c) 3856

(d) none of these

8. The Independence Day in 1998 was celebrated on Wednesday . On what day was it celebrated in the year 1989 ?

- (a) Monday (b) Tuesday (c) Friday (d) Thursday
-

9 . If $7 * 3 = 40$; $11 * 5 = 96$; then what is $10 * 7$?

- (a) 61 (b) 33 (c) 51 (d) 41

10 . If A means plus , B means minus , C means divide and D means multiply then what will be simplified value of $18 A 12 C 6 D 2 B 5 =$

- (a) 25 (b) 27 (c) 15 (d) 17
-

WORKSHEET – 7

RATIONAL NUMBER

TIME – 30 MIN

1) Represent the following rational numbers on the number line:

- a) $-3/4$ b) $31/-6$

2) Write the following rational numbers in the standard form:

- a) $5/15$ b) $-24/40$

3) Compare the following rational numbers:

- 1) $-9/27$, $6/-18$ 2) $-5/7$, $10/-6$

4) Arrange the following rational numbers in the descending order:

- 1) $2/-3$, $-4/9$, $-5/12$, $7/-18$
2) $3/-4$, $-5/12$, $-7/16$, $9/-24$

5) Arrange the following rational numbers in the ascending order:

- 1) $2/5$, $1/3$, $3/4$, $1/6$ 2) $5/6$, $7/8$, $11/12$, $3/10$

6) Fill in the blanks by the correct symbol $>$, $=$ or $<$:

- 1) $| 3/4 |$ ----- $| -1/2 |$ 2) $| -1/2 |$ ----- $| -3/4 |$

7) Add: 1) $3/7$ and $-9/7$, 2) $5/9$ and $7/-9$

8) Simplify: 1) $-2 + (3 / 8) + (- 1 / 5)$, 2) $(2/3) + (-7/11) + (-1/4)$

9) Verify that $a + b = b + a$ by taking

- (1) $a = -7/5$, $b = 2/7$
(2) $a = -1$, $b = -2/3$

10) Verify that $(a+b)+c.=a+(b+c)$ by taking

- (1) $a = -2$, $b = -2/3$, $c = -3/4$ (2) $a = -12$, $b = -9/11$, $c = 7/-12$

11) Simplify the following:

1) $(\frac{2}{3}) + (-\frac{4}{5}) + 1 + (-\frac{2}{3}) + (-\frac{11}{5})$

2) $(\frac{5}{8}) + (-\frac{8}{9}) + 0 + (-\frac{13}{3}) + (\frac{17}{24})$

12) Subtract : 1) $(-\frac{3}{4})$ from $(\frac{1}{2})$ 2) $(\frac{5}{8})$ from $(-\frac{3}{14})$

13) What should be added to $(-\frac{7}{20})$ to get $(-\frac{2}{5})$?

14) The sum of two rational numbers is $(-\frac{3}{7})$. If one of the number is $(-\frac{5}{8})$ find the other.

15) The sum of two rational numbers is $(-\frac{5}{8})$. If one of the number is $(-\frac{6}{11})$, find the other number.

16) To which number should $(\frac{2}{3})$ be added to give $(-\frac{11}{4})$?

17) From which number should $(-\frac{11}{4})$ be subtracted to give $(-\frac{11}{4})$?

18) Find the product of :

1) $\frac{5}{9}, -\frac{2}{5}$ 2) $-5, -\frac{3}{15}$

19) Multiply, and give the product in the standard form:

1) $-\frac{6}{25}$ by $\frac{50}{24}$ 2) $\frac{3}{11}$ by 22

20) Verify the property $a \times b = b \times a$ by taking :

1) $a = (-\frac{12}{7}), b = (-\frac{21}{5})$ 2) $a = 0, b = (-\frac{13}{3})$

21) Verify the property $a \times (b \times c) = (a \times b) \times c$ by taking

1) $a = (\frac{7}{5}), b = (-\frac{9}{4}), c = (\frac{1}{2})$

2) $a = 1, b = (-\frac{13}{5}), c = (\frac{3}{5})$

22) Verify the property $ax(b+c)=(axb)+(axc)$ by taking:

1) $a = (\frac{1}{3}), b = 0, c = (-\frac{7}{6})$

2) $a = -2, b = (\frac{9}{5}), c = (-\frac{2}{15})$

23) Verify $(x \times y)^{-1} = x^{-1} \times y^{-1}$

1) $x = \frac{1}{2}, y = \frac{1}{3}$ 2) $x = -\frac{3}{4}, y = -\frac{1}{8}$

24) Verify that $|x + y| \leq |x| + |y|$ by taking $x = \frac{13}{4}$ and $y = \frac{3}{2}$

25) Verify that $|x + y| = |x| + |y|$ by taking $x = \frac{1}{2}$ and $y = -\frac{1}{4}$

26) The product of two rational numbers is 6. If one of them is 8, find the other number.

27) By what number should $(-\frac{6}{11})$ be multiplied to get $(-\frac{32}{11})$?

SCIENCE

JAL PARYAVARAN SURAKSHA ABHIYAN



Three-fourth of Earth's surface is covered by water bodies. 97 per cent of this water is present in oceans as salt water and is unfit for human consumption. Fresh water accounts for only about 2.7 per cent. Nearly 70 per cent of this occurs as ice sheets and glaciers in Antarctica and other inaccessible places. Only one per cent of fresh water is available and fit for human use. So it is very important to conserve this precious resource. And yet we are contaminating the existing water resources with sewage, toxic chemicals and other wastes. Increasing population and rapid urbanisation has led to over-use of water resources leading to water pollution and scarcity.

By practicing simple steps in our daily routine, we can conserve water and ensure the availability of water to future generations. So don't tarry; start saving each and every drop of water.

Let our motto be "Save water, save life, save the world".

Here is an opportunity for you to become water prefects!

- Read about Rain water harvesting as an ancient Indian method of water conservation. Write its salient features in a scrap book

OR

- Write any **three Slogans on Water** on an A3 sized chart paper. Make it more meaningful by adding tips to conserve water. You may also make it aesthetically appealing by adding pictures or drawing diagrams.
- **Revise all the topics done in the subject thoroughly and the complete the assignments given in the fair notebook.**

SOCIAL SCIENCE
Grade VII
PRACTICE WORKSHEET

General Instructions: -

1. Do the work as directed.
 2. Revise all the assignments done in the notebook.
 3. Read the chapters before attempting the questions.
 4. **Assignment should be on A-4 size ruled sheets with neat presentation and good handwriting.**
 5. Submit the assignment on the assigned date.
-

Section A

Q 1 Answer the following very short questions:

1. Who wrote Humayunnama?
2. Who was the founder of Yadavas of Devagiri?
3. Name the traveller who visited the kingdoms of Kakatiyas and Pandyas.
4. Give at least one example of different types of rocks?
5. Define Barysphere.
6. Distinguish between Rocks and Minerals.
7. Who introduced the theory of continental drift?
8. Name the instrument used to record earthquake tremors?
9. Who is known as father of Democracy?
10. King Gopala was the founder of Pala Dynasty of Bengal. What was his special characteristic?

Section B

Q2 Answer the following short questions:

1. What do you understand by 'Rule of Law'?
2. How citizens in democratic country participate in the government?
3. Give reasons why ruling dynasties were engaged in struggle to control Kanauj?
4. Discuss the military achievements of Rajaraja Chola and Rajendra Chola?
5. Explain rock cycle with a figure.
6. Write a short note on Bhuj earthquake 2001.
7. What are the characteristics of metamorphic rocks?
8. Explain the uses of Rocks and minerals.

Section C

Q3 Answer the following long questions:

1. Information on the medieval period is based on various sources. With the help of flowchart explain different types of sources used to study medieval India.
2. Battle of Tarain changed the course of Indian History. Explain the battles of Tarain with its consequences.
3. What do you know about Chola administration?
4. Explain with the help of diagram different layers of earth?
5. How are volcanoes distributed on the earth?
6. What is democracy? Explain social democracy and political democracy?
7. Explain different forms of government with a suitable example.

Section D

Q4 Map Work:

Mark the locations on the following map.

1. **On the map of India:** Earthquake zone IV in India
- 2 **World map:** Distribution of earthquake belts.
- 3 **World map:** Mark the following volcanic mountain
 - A) Kilimanjaro
 - B) Fujiyama
 - C) Mauna Loa

HAPPY HOLIDAYS!!!!