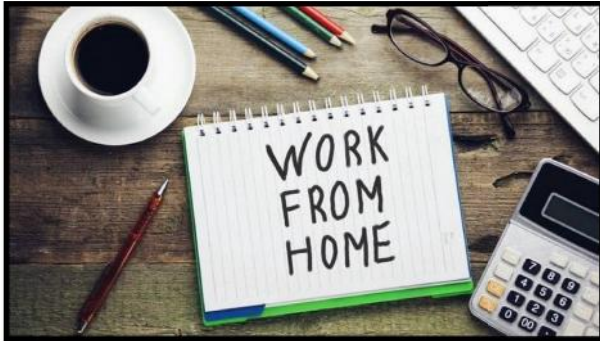# NAVYUG CONVENT SR. SEC. SCHOOL

WORK AT HOME ASSISGNMENT FOR SUMMER VACATION

SESSION 2020-21

Dear Parents

As you Know this is a very critical time for all of us in the <u>Lockdown Crisis</u>. So it is our responsibility to follow preventive measures for the safety and academic performance of our children. It is time to assist them not only their academics but also their life skills. Holiday home – work has been planned to keep them in touch with their studies as well as it provides a room for their creativity. For parents, it is the time to make children more self-conscious, self-disciplined and self-confident as well as aware of simple safety rules, mannerism and moral values.

So spend time with your ward fruitfully and purposefully.

*The weight-age of Holiday Homework will be 5 marks in Notebook Assessment as per given parameters:

<u>**Marks obtains**</u>

a) **Completion of work-02**   ——————————

b) **Hand writing & Presentation 02**   ——————————

c) **Timely Submission-01**   ——————————

GUIDELINES FOR NCS PRIMARY WING :

Messages for parents working with children at home
As public conversations around corona virus disease 2020 (COVID-19) increase, children may worry about themselves, their family, and friends getting ill with COVID-19. Parents, family members, school staff, and other trusted adults can play an important role in helping children make sense of what they hear in a way that is honest, accurate, and minimizes anxiety or fear.

GENERAL PRINCIPLES TO AWARE CHILDREN :

1. Remain calm and reassuring.
2. Remember that children should follow your guidelines regarding corona-virus precautions. Generally they will pick up cues from the conversations you have with them and with others.
3. Make yourself available to listen and to talk.
4. Avoid making assumptions about who might have COVID-19.
5. Pay attention to what children see or hear on television, radio, or online.
6. Consider reducing the amount of screen time focused on COVID-19. Too much information on one topic can lead to anxiety.
7. Give children information that is truthful and appropriate for the age and developmental level of the child.
8. Talk to children about how some stories on COVID-19 on the Internet and social media may be based on rumors and inaccurate information.
9. Teach children everyday actions to reduce the spread of germs.
10. Remind children to stay away from people who are coughing or sneezing or sick.
11. Remind them to cough or sneeze into a tissue or their elbow, then throw the tissue into the trash or use own handkerchief .
12. Discuss any new actions that may be taken at school to help protect children and school staff.
13. Get children into a hand washing habit?
14. Teach them to wash their hands with soap and water for at least 20 seconds, especially after blowing their nose, coughing, or sneezing; going to the bathroom; and before eating or preparing food.

15. If soap and water are not available, teach them to use hand sanitizer. Supervise young children when they use hand sanitizer to prevent swallowing alcohol, especially in schools and child care facilities.
16. Try to keep information simple and remind them that health and school officials are working hard to keep everyone safe and healthy.

Note: Please do Holiday Homework in separate notebook.

<u>S K BHARDWAJ</u>
PRIMARY WING
NCS

ग्रीष्मावकाश गृहकार्य (संस्कृत)

शब्दरुप लिखें और याद करें : --

,   ,

धातु लिखें और याद करें :- नम् ,   ,   ,   (   )

नीचे लिखें वाक्यो का संस्कृत में अनुवाद करें

4. कर्त्ता कारक—प्रथमा विभक्ति
(पाठ्य पुस्तक-अनुवाद)

पुल्लिङ्ग (संज्ञा)

1. हिरण दौड़ता है।	दो हिरण दौड़ते हैं।	अनेक हिरण दौड़ते हैं।
2. हाथी चलता है।	दो हाथी चलते हैं।	अनेक हाथी चलते हैं।
3. बालक पढ़ता है।	राहुल और विकास पढ़ते हैं।	अजय, विजय और मनीष पढ़ते हैं।
4. अध्यापक पढ़ाता है।	दो अध्यापक पढ़ाते हैं।	अनेक अध्यापक पढ़ाते हैं।

पुं॰ (सर्वनाम) – अर्थ पुस्तक में दिया गया है।

स्त्रीलिङ्ग (संज्ञा)

1. कोयल गाती है।	दो कोयलें गाती हैं।	अनेक कोयलें गाती हैं।
2. बकरी चरती है।	दो बकरियाँ चरती हैं।	अनेक बकरियाँ चरती हैं।
3. कन्या नृत्य करती है।	रमा और लता नाचती हैं।	रमा, लता और उमा नाचती हैं।
4. छात्रा हँसती है।	दो छात्राएँ हँसती हैं।	अनेक छात्राएँ हँसती हैं।

स्त्री॰ (सर्वनाम) – अर्थ पुस्तक में दिया गया है।

नपुंसकलिङ्ग (संज्ञा)

1. मित्र लिखता है।	दो मित्र लिखते हैं।	अनेक मित्र लिखते हैं।
2. फल गिरता है।	दो फल गिरते हैं।	अनेक फल गिरते हैं।
3. फूल खिलता है।	दो फूल खिलते हैं।	अनेक फूल खिलते हैं।
4. चश्मा है।	दो चश्मे हैं।	अनेक चश्मे हैं।

नपुं॰ (सर्वनाम) – अर्थ पुस्तक में दिया गया है।

5. कर्म कारक–द्वितीया विभक्ति
(पाठ्य पुस्तक-अनुवाद)

1. लेखक लेख लिखता है।   लेखक दो लेख लिखता है।   लेखक लेखों को लिखता है।
2. अध्यापिका पत्रिका पढ़ती है। अध्यापिका दो पत्रिकाएँ पढ़ती है। अध्यापिका पत्रिकाएँ पढ़ती है।
3. बंदर फल खाता है।   बंदर दो फल खाता है।   बंदर कई फल खाता है।
4. छात्र पाठ पढ़ता है।   दो छात्र दो पाठों को पढ़ते हैं।   छात्र पाठों को पढ़ते हैं।
5. माँ रोटी पकाती है।   दो माताएँ दो रोटियाँ पकाती हैं।   माताएँ रोटियाँ पकाती हैं।
6. चित्रकार चित्र बनाता है।   दो चित्रकार दो चित्र बनाते हैं।   चित्रकार चित्र बनाते हैं।

6. करण कारक–तृतीया विभक्ति
(पाठ्य पुस्तक-अनुवाद)

1. विनोद पाँव से लंगड़ा है।   लोग दो पैरों से चलते हैं।   हाथी पैरों से चलता है।
2. मनुष्य आँख से काणा है।   रहीम आँखों से अन्धा है।   शिव आँखों से देखते हैं।
3. रमा माता के साथ जाती है।   दो कन्याएँ दो माताओं के   वे सब माताओं के साथ
   साथ जाती हैं।   जाती हैं।
4. राजा रथ से जाता है।   पिता वायुयान से जाते हैं।   पुलिस चोर को डंडे से
   पीटता है।
5. सेवक साइकिल से जाता है। हम सब नासिका से सूँघते हैं। बालिका लेखनी से लिखती है।
6. हम सब मुख से बोलते हैं। हम सब आँखों से देखते हैं। हम सब कानों से सुनते हैं।

- सुलेख-
- बाल महाभारत कथा से -4 पृष्ठ
- कविता लेखन- देश भक्ति की भावना से ओतप्रोत
- कहानी लेखन -कोई भी शिक्षाप्रद दो कहानियां
- अनुच्छेद लेखन-
- मेरे प्रिय नेता
- मेरा प्रिय त्योहार
- मेरे जीवन का लक्ष्य
- पर्यावरण
- संवाद लेखन-
- वृक्षों और पर्यावरण के विषय में दो मित्रों के बीच संवाद
- साक्षात्कार अपनी पड़ोसी या अम्मा का
- विलोम शब्द- 20
- पर्यायवाची शब्द- 20
- पत्र लेखन -

    आप ज्वर से पीड़ित हैं। 2 दिन की छुट्टी हेतु अपने विद्यालय के प्राचार्य को आवेदन पत्र लि

- विशेषण और विशेष्य की परिभाषा लिखकर 10-10 उदाहरण दीजिए।

SUBJECT – ENGLISH

CLASS – VII

SUMMER VACATION HOLIDAYS HOME WORK

Note :- Do holiday Homework in a separate notebook.

1. Revise whole syllabus done so far.

2. Do 30 pages handwriting and underline nouns and encircle verbs.

3. Write paragraph on "Discipline and Environmental Pollution in 50- 80 words.

4. Write shot stories on the following Topic

   a) God helps those who help themselves.

   b) Unity is Strength.

5. Write 5 English News Daily in your notebook.

6. Write an application to your school principal regarding change of section

   Or

   Write a Invitation letter to your friend inviting him on your Birthday party.

7. Write a notice for the school notice board regarding commencement of periodic Test 01 in July Month.

8. Grammar: - Revise Tense topic thoroughly and make 5 sentences for each type of tense in your notebook.

SUBJECT – SCIENCE

CLASS – VII

SUMMER VACATION HOLIDAYS HOME WORK

Do the assignment in our notebook.

1. What is carding? Why it is necessary?
2. Define the following terms:-
   a) Sericulture   b) Egestion   c) Villi   d) Chlorophyll
3. Write the digestive process of ruminant in details?
4. What are hetrotrophic , autotrophic , and saprotropic mode of nutrition explain it with examples.
5. Why do we get instant energy from gluscose?
6. How do we obtain silk from cocoon? Write the complete process in details.
7. Write the process of Photosynthesis in details.
8. Write down a note on processing fibres into wool.
9. A) Prepare a chart which shows the process of Photosynthesis.
   B) Human digestive system – Chart
   c) Collect a data for some Indian and some breeds of animals from the other countries according to their usefulness and use creative skills for to mention it on the coloured chat paper.

Revise syllabus and write down in your Fair Notebook.

SUBJECT – COMPUTER

CLASS – VII

SUMMER VACATION HOLIDAYS HOME WORK

1. Revise Chapter 1 and chapter – 2
2. Read chapter – 3 and try to solve the question & answer in your holiday homework notebook.
3. Write a short not on Binary language in your Holiday homework notebook.
4. Make a View of "Control Panel" on A4 Size Sheet.
5. **Project – 1** Using Internet (Google search engine) and also search and download 10 famous personality photos and print them paste tem colourful A4 size and write about his/ her
   invention.
6. Learn and write any 30 keyboard shortcuts key.
7. Make a power –point presentation on any of the given topics and submit a CD or Pen Drive.
   a) My School
   b) My School Principal

   Note :- Minimum 10 Slides for each.

<u>SUBJECT – MATHS</u>

<u>CLASS – VII</u>

<u>SUMMER VACATION HOLIDAYS HOME WORK</u>

- Do all these chapters questions along with lab activities in your notebook. (Files pages attached)

<u>SUBJECT – SOCIAL SCIENCE</u>

<u>CLASS – VII</u>

<u>SUMMER VACATION HOLIDAYS HOME WORK</u>

Revise and learn all the syllabus done so far for Periodic test and do attached activity work of history Geo and civics in your holiday homework notebook.

SUBJECT – DRAWING

CLASS – VII

SUMMER VACATION HOLIDAYS HOME WORK

1. Colour first five page in drawing book.

2. Draw any five object which at presents your home with pencil shading.

3. Draw any five painting with pencil shading or colour

4. Decorate flower pot or matki with attractive colour.

Chapter Assessment

1. Use the appropriate symbol '=', '<' or '>' to fill the following boxes :
   (a) $-3 \square 4$
   (b) $0 \times 5 \square 5 - 5$
   (c) $-3 \square 7 - 4$
   (d) $3 \times 7 \square -7$

2. Find the value of :
   (a) $6 + (-5)$
   (b) $-9 + (-2)$
   (c) $(-518) + (-239)$
   (d) $-1236 + 2319$

3. Subtract the first integer from the second in each case :
   (a) $6, 18$
   (b) $-3, 6$
   (c) $-27, -54$
   (d) $12, -7$

4. State which is greater :
   (a) $(7 + 8) \times 9$ or $7 + (8 \times 9)$
   (b) $(7 - 8) \times 9$ or $7 - (8 \times 9)$
   (c) $(-7 - 8) \times 9$ or $7 - (-8 \times -9)$

5. Simplify the following :
   (a) $(-11) \times (-15) + (-11) \times (-25)$
   (b) $(-47) \times 68 - (-47) \times 38$
   (c) $(-26) \times 72 + (-26) \times 28$
   (d) $[(-7) + 5] \div [(-3) + 1]$

6. Find :
   (a) $23 \div (-23)$
   (b) $[18 + (-18)] \div (-20)$
   (c) $[-30 - (-18)] \div [19 + (-13)]$
   (d) $[-155 + (-100)] \div [-300 + 45]$

7. A submarine was 5827 m below sea level. If it ascends 2200 m, then what is its new position?

8. Priya climbs up 5 stairs every second and then climbs down 2 stairs over the next second. How many seconds will she take to climb 60 stairs?

9. Find the value of : $(-10 - 10) \div \{-10 - (10 - 10)\}$

10. The product of three integers is -600. If two of them are -15 and 10, what is the value of third integer?

11. An architectural drawing of a building shows the elevation of the basement floor to be -4 m. The elevation of the roof is 10 m. What is the total distance from the roof to the basement floor?

12. A greengrocer had a profit of ₹ 47 on Monday, a loss of ₹ 12 on Tuesday and a loss of ₹ 8 on Wednesday. Find his net profit or loss in 3 days.

13. **A grain merchant earns a profit of ₹ 12 per bag of wheat sold and a loss of ₹ 8 per bag of rice sold.**
    (a) If he sells 1500 bags of wheat and 2050 bags of rice in a month, what is his net profit or loss?
    (b) What is the number of wheat bags he must sell to have neither profit nor loss, if the number of rice bags sold is 2400 bags?

14. Anuja owed a book for ₹ 350. She paid ₹ 100 towards it. Each of her five friends contributed equally to pay off her remaining debt. How much did each friend pay?

1. Find the successor of −8.
2. Find the predecessor of −9.
3. $(-6) - 2 = 2 - (-6)$. Is it 'true' or 'false'?
4. Additive inverse of −38 is _____.
5. $|45 + (-65)| =$ _____

Higher Order Thinking Skills

Mt. Everest is at a height of 8850 m. Its base is at an elevation of 5450 m. The temperature here drops at the rate of 1° per 100 metres. If the temperature at the base is −6°C, what is the temperature at the top?
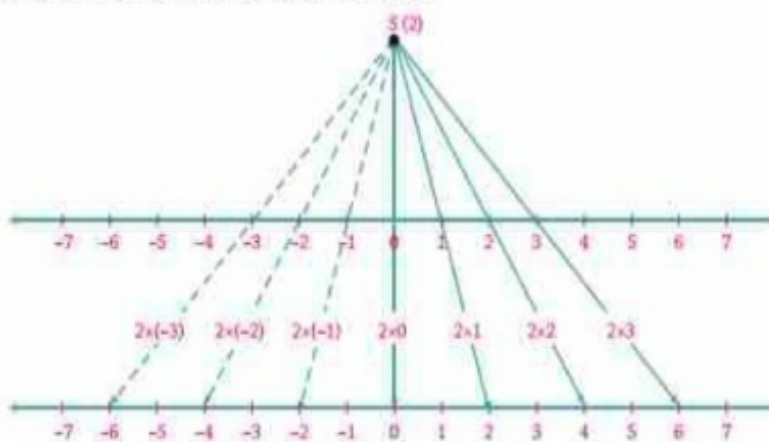
Maths Lab Activity

Objective : To verify the rules of multiplication of two integers with unlike signs.

Materials required : Ruler, chart paper and pencil.

Procedure :

Step 1 : Draw two number lines parallel to each other on a chart paper and mark integers.

Step 2 : Draw table of 2 on the number lines as shown :

Step 3 : Join 0 to 0, 1 to 2, 2 to 4, 3 to 6 to show $2 \times 0 = 0, 2 \times 1 = 2, 2 \times 2 = 4, 2 \times 3 = 6$ by arrows.

Step 4 : Produce these arrows upwards to meet at point S.

Step 5 : Draw dotted line arrows from S passing through the negative integers on the upper line. These dotted lines meet the integers as shown in the figure. You find

$2 \times (-1) = -2, \quad 2 \times (-2) = -4, \quad 2 \times (-3) = -6$

Thus, the product of two integers having unlike signs is negative.

Chapter Assessment

1. **Reduce the following fractions to their simplest form :**

   (a) $\dfrac{48}{72}$ (b) $\dfrac{80}{112}$ (c) $\dfrac{72}{336}$ (d) $\dfrac{18}{81}$

2. **Write four equivalent fractions of $\dfrac{9}{14}$.**

3. **Find which fraction is greater :**

   (a) $\dfrac{3}{4}$ and $\dfrac{11}{15}$ (b) $\dfrac{6}{7}$ and $\dfrac{5}{9}$ (c) $\dfrac{4}{5}$ and $\dfrac{3}{10}$ (d) $\dfrac{3}{8}$ and $\dfrac{4}{9}$

4. **Insert any two fractions between :**

   (a) 1 and $\dfrac{3}{11}$ (b) $\dfrac{5}{6}$ and $1\dfrac{1}{5}$ (c) 6 and $\dfrac{2}{11}$

5. **Simplify :**

   (a) $5\dfrac{1}{6} - 3\dfrac{1}{4} + 3\dfrac{1}{3} + 4$ (b) $3 + 1\dfrac{1}{5} + \dfrac{2}{3} - \dfrac{7}{15}$ (c) $\dfrac{4}{5} + \dfrac{1}{2} + 2\dfrac{1}{2} - 2\dfrac{3}{4}$

6. **Find the product :**

   (a) $3\dfrac{1}{2} \times 14\dfrac{1}{2}$ (b) $\dfrac{3}{5} \times \dfrac{15}{16} \times \dfrac{4}{7}$ (c) $2\dfrac{1}{7} \times 2\dfrac{4}{9} \times \dfrac{7}{22}$

7. **Divide :**

   (a) $5\dfrac{1}{3} \div 1\dfrac{1}{9}$ (b) $\left(\dfrac{1}{4} \text{ of } 2\dfrac{2}{7}\right) \div \dfrac{3}{5}$ (c) $5\dfrac{4}{7}$ by $\dfrac{13}{14}$ (d) $4\dfrac{2}{7}$ by $2\dfrac{2}{5}$

8. In the morning, a milkman filled $5\dfrac{1}{2}l$ milk in his can. He sold $\dfrac{3}{4}l$ each to Renu, Kamla and Renuka, $\dfrac{7}{8}l$ to Sushma and $1\dfrac{1}{2}l$ to Jassi. How much milk is left in the can?

9. A fruit bag contains $\dfrac{1}{3}$ oranges, $\dfrac{1}{4}$ pomegranates, $\dfrac{1}{5}$ apples and rest of the fruits are mangoes. The total fruits in the bag are 240. Find :

   (a) the number of pomegranates, oranges and apples.

   (b) the fraction of mangoes in the bag.

10. A square and an equilateral triangle have a common side. If the side of triangle is $\dfrac{4}{3}$ cm long, find the perimeter of figure formed.
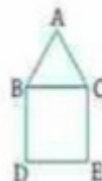
11. $5\dfrac{1}{3}$ litres of juice is to be poured equally into 8 glasses. How much juice will be poured in each glass?

12. $3\dfrac{1}{2}$ cups of flour is needed for one loaf of bread. How many cups of flour are needed for 16 loaves?

13. Arjun spends $\dfrac{2}{5}$ of his money and has ₹ 90 left. How much did he have initially?

14. Meenu needs to work 45 hours per week. She has worked $38\dfrac{7}{9}$ hours so for this week. How many hours does she need to work on Friday to meet the 45 hours requirement?

1. Can a proper fraction be written in the form of a mixed fraction?

2. What is the product of a fraction and 1?

3. Simplify : $\dfrac{4}{5} \times \dfrac{25}{36} \times \dfrac{8}{9}$

4. What is the reciprocal of $1\dfrac{3}{4} \div 2\dfrac{1}{3}$?

Higher Order Thinking Skills

In a school gymnasium, a 16 metres long rope is used for teaching children rope climbing. To make it easier for the children to climb, the teacher has tied knots at every $\dfrac{8}{9}$ m. How many knots are there in the rope?

Maths Lab Activity

Objective : To multiply two fractional numbers.

Materials required : Strip of a paper and sketch pen.

Procedure : Let us take two fractional numbers, say $\dfrac{3}{4}$ and $\dfrac{2}{3}$.

Step 1 : Take the strip of a paper and fold it into two halves.

Step 2 : Again fold the folded strip into two halves.

Step 3 : Unfold the strip.

Step 4 : Fold the fourth part.

Step 5 : Now fold the strip horizontally to divide it into 3 equal parts and after unfolding it make any pattern on 2 out of 3 with the help of sketch pen.
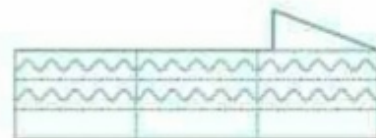
Step 6 : Unfold the fourth part. You will find that 6 parts are covered with pattern. This shows that this region represents $\dfrac{6}{12}$ or $\dfrac{1}{2}$ of the whole strip.

Hence, $\dfrac{3}{4} \times \dfrac{2}{3} = \dfrac{3 \times 2}{4 \times 3} = \dfrac{6}{12} = \dfrac{1}{2}$

then divide the new dividend by the natural number.
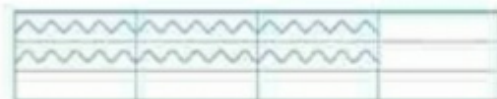
Multiple Choice Questions   **MCQs**

Tick (✓) the correct option :

1. A decimal number has _____ parts.
   (i) two ▷
   (ii) three ▷
   (iii) one ▷
   (iv) four ▷

Decimals   41

2. $\dfrac{88}{10}$ can be expressed in decimal as :

   (i) 88 ⬦   (ii) 0.88 ⬦   (iii) 8.8 ⬦   (iv) 0.88 ⬦

3. How many kilometres are there in 3.6 m?

   (i) 36 km ⬦   (ii) 0.0036 km ⬦   (iii) 3.60 km ⬦   (iv) 3.600 km ⬦

4. How many places a decimal point is shifted to the right on multiplying a decimal by 1000?

   (i) one ⬦   (ii) two ⬦   (iii) three ⬦   (iv) four ⬦

5. If $\dfrac{x}{0.2} = 0.34$, then x is equal to :

   (i) 1.7 ⬦   (ii) 0.68 ⬦   (iii) 0.068 ⬦   (iv) 0.17 ⬦

6. $2\dfrac{2}{25} = ?$

   (i) 2.8 ⬦   (ii) 2.08 ⬦   (iii) 0.28 ⬦   (iv) 2.008 ⬦

7. $1.1 \times 0.1 \times 0.01$ is equal to :

   (i) 0.011 ⬦   (ii) 0.0011 ⬦   (iii) 0.11 ⬦   (iv) none of these ⬦

8. 0.23×0.3 is equal to :

   (i) 0.69 ⬦   (ii) 6.9 ⬦   (iii) 0.069 ⬦   (iv) none of these ⬦

9. If $213 \times 16 = 3408$, then 1.6×2.13 is equal to :

   (i) 0.3408 ⬦   (ii) 34.08 ⬦   (iii) 3.408 ⬦   (iv) 340.8 ⬦

10. $0.47 - 0.03$ is equal to :

   (i) 0.467 ⬦   (ii) 0.44 ⬦   (iii) 0.4 ⬦   (iv) 0.044 ⬦

11. $35 \div 0.005$ is equal to :

   (i) 700 ⬦   (ii) 7000 ⬦   (iii) 0.007 ⬦   (iv) 70 ⬦

12. What should be added to 3.07 to get 3.5?

   (i) 0.57 ⬦   (ii) 0.43 ⬦   (iii) 0.34 ⬦   (iv) 0.02 ⬦

13. $1.564 - 0.500 + 3.001 - 2.500$ is equal to :

   (i) 3.500 ⬦   (ii) 2.575 ⬦   (iii) 1.565 ⬦   (iv) 3.000 ⬦

14. What number is equal to $\left(\dfrac{0.1}{0.01} + \dfrac{0.01}{0.1} \right)$?

   (i) 1.10 ⬦   (ii) 1.01 ⬦   (iii) 10.01 ⬦   (iv) 10.1 ⬦

Chapter Assessment

1. Convert each of the following into like decimals :

   (a) 3.5, 0.67, 15.6, 4   (b) 6.5, 16.03, 0.274, 119.4

2. Fill in the boxes with '>' or '<' :

   (a) 1.85 ☐ 1.805   (b) 3.406 ☐ 3.46   (c) 5.68 ☐ 5.86   (d) 14.05 ☐ 14.005

3. **Arrange the following in ascending order :**

   (a) 7.4, 8.34, 74.4, 7.44, 0.74   (b) 2.2, 2.202, 2.02, 22.2, 2.002

4. **Add the following :**

   (a) 18.6, 206.37, 8.008, 26.4 and 6.9   (b) 23.8, 8.94, 0.078 and 214.6

5. **Subtract the following :**

   (a) 17.182 from 360.05   (b) 0.011 from 1.1

6. **Simplify :**

   (a) $11.001 - 2.36 + 4.965 - 5.7$ (b) $100 - 3.067 - 33.0689 - 21.2$

7. **Multiply :**

   (a) 13.03×4.5 (b) 4.105×0.02 (c) $3.6 \times 1.4 \times 0.07$ (d) $0.04 \times 0.89 \times 0.037$

8. **Divide :**

   (a) 0.288 by 0.9   (b) 25.395 by 1.5   (c) 21.976 by 1.64   (d) 2.4 by 0.17

9. Heena's father paid an electric bill of ₹ 432.91 out of a 2000-rupee note. How much change should he have received?

10. The product of two decimals is 1.5008. If one of them is 0.56, find the other.

11. How many jars each holding 1.75 kg of jam can be filled from a vessel containing 100 kg of jam and how much remains?

12. 1 kg of milk has 0.264 kg of fat. How much fat is there in 12.5 kg of milk?

13. A pair of socks costs ₹ 17.85 and a pair of shoes costs ₹ 169.65. How many pairs of socks and shoes can be purchased for ₹ 1500?

Mental maTHS

1. $0.2 \times 0.3 \times 0.4 = $ _____

2. Given $46 \times 93 = 4278$, without actually multiplying, find :

   (a) 0.46×0.93 (b) 46×0.093

3. $90.15 \div 15 = $ _____

4. A plant is 1.17 cm high. It grows 1.1 times. What is its height now?

Higher Order Thinking Skills

Find the value of $\dfrac{0.11 - 0.011}{0.011 - 0.11}$.

Maths Lab Activity

Objective : To find the product of two decimals.

Materials required : Grid paper and colours.

Procedure : To represent 0.3×0.7, following steps are followed :

Step 1 : Take a 10×10 square grid paper. Colour its 3 rows red as shown in the given figure :
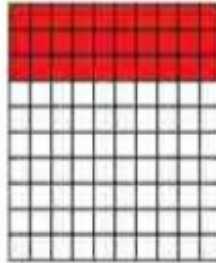
Step 2 : On the same grid paper, colour 7 columns green as shown in the given figure :

Observation : A 10 × 10 square grid paper has 100 squares.

So, 1 square represents $\dfrac{1}{100} = 0.01$

and 10 squares represents $\dfrac{10}{100} = 0.1$

or 1 row or 1 column of a grid represents 0.1.

∴ 3 rows (coloured red) represents $\dfrac{30}{100} = 0.3$

and 7 columns (coloured green) represents $\dfrac{70}{100} = 0.7$

So, the double coloured portion represents 0.3 × 0.7.

The double coloured portion contains 21 squares, so it represents $\dfrac{21}{100} = 0.21$

Hence, 0.3 × 0.7 = 0.21

S. No.	Topic	Activity
1.	Environment	a) **Word Search** 1. Ecosystem, 2. Biosphere, 3. Lithosphere, 4. Atmosphere, 5. Biotic, 6. Abiotic, 7. Environment, 8. Habitat, 9. Barter. H L Q C S B Q V B B K G H A B O I K G L J I Q R W X P O P O S X P O Q U C Q T B A R T E R S U L J I A B I O T I C P E H C R N F V A Z E Y H J A E C O S Y S T E M E J B B Q A W Y R V S P R M I H L I I Z Q N O L E I T L I T H O S P H E R E A A T M O S P H E R E V T E N V I R O N M E N T U

S. No.	Topic	Activity
	Interdisciplinary with Language	2. **'Bottle it'** • Differentiate between reuse and recycle. • Make any 2 useful products from the waste materials like bangles, invitation cards, newspapers etc.
		3. **Integrated Act - English and Hindi** Effects of global warming • Compose a poem in Hindi or English where the earth tells its' aging due to Global Warming.
2.	Inside our Earth	1. **Learning with Fun** • Colour and Label the diagram of the "Interior of the Earth"
		2. **Let's do** Things required: • Crayon (any colour) • Knife • A vessel • Foil paper **Procedure:** Under the guidance of an elder person at your home. Take any crayon and scrap it is a vessel (Igneous rock → Sedimentary rock) and then press it, (it will convert into sedimentary rock). Cover the vessel with foil paper and put on heat for few seconds as it starts melting. Remove it and after cooling of matter we are able to see the difference from primary and secondary form (Metamorphic rocks).

History
OUR PASTS-II
Class : VII

S. No.	Topic	Activity
1.	**Tracing Changes Through a Thousand Years**	1. **Create Manuscript** **Make your own manuscript.** Take leaves and quill pen for writing the manuscript. Also make a cover page of your manuscript and use a ribbon for tying it up. **Answer the following:** • How the earlier people wrote? • Difficulties in writing. • Difficulties storing the manuscripts.
		2. Find out various sources of medieval history and then classify them into literary and archaeological sources.
2.	**New Kings and Kingdoms**	1. **Map Pointing** Locate and label the following kingdoms of early medieval period: • Rashtrakutas

S. No.	Topic	Activity
		• Cholas • Palas • Chachamanas • Chalukyas • Pallavas
		2. **Collage Making** Collect information about various Kings from (700 to 1200 AD) and make a collage from them. **Collect information on:** • Prithvi Raj III • Rajaraja I • Rajendra I
3.	**The Delhi Sultans**	1. Collect pictures of architectural monuments of the Sultanate period and make a collage. Write five lines about each monument.

CIVICS
SOCIAL and POLITICAL LIFE
Class : VII

S. No.	Topic	Activity
1.	**On Equality**	1. **Survey**

Name: _____ Locality: _____

Age: _____

Family Members	Age	Edu. Qualifi.	Employed	Working Env.	Expectation

On the basis of above format students will collect information from different people of the society. (At least 10 people)

On the basis of information collected, students will prepare a report and analyse it to show the factors which lead to inequalities.

2. Students will collect information regarding programs by the Government to ensure the equality in India.

For e.g.: Gender equality, economic equality

3. **Research Work: Paragraph Writing**

Students will find out information on Civil Right Movement and compare it with any one case of Civil Right

S. No.	Topic	Activity
		Movement from present time.

Summarise it in your notebook under following headings

- Emergence
- Struggle
- Achievements