

Class- 7 Holiday Homework 2023-24

Subject	Holiday Homework
English Language	Write any 10 similes based on ten different animals. Draw pictures for the same and frame a sentence with each simile
Adventure with Grammar and Composition	Do Pg. 11,13-18,21-24,26-28
Friday Afternoon	Comprehension passages 3,4&6
English literature	An interview with the much loved children's author – Ruskin Bond. Your interview must have 5 to 7 questions based on his childhood, family, theme of his stories, his inspiration and his famous works. Read the book ' Six Tales of Sherlock Holmes' (Ch1-3)
Hindi Language	सर्वप्रथम रंगीन शीट पर बादल का आकार बनाकर इनमें ऐसे 20 उपसर्ग और प्रत्यय से बने शब्द एकत्रित करिए । इन उपसर्ग और प्रत्यय से बने शब्दों से एक कहानी लिखिए । कहानी को रोचक बनाने के लिए किन्ही पाँच मुहावरों का भी प्रयोग करिए। कहानी 150 से 200 शब्दों में लिखें ।
Hindi Literature	किन्हीं पाँच महापुरुषों के सुविचार, उनके कथन / सूक्तियों की खोज करें । एक सुन्दर सी पत्रिका तैयार करिए । प्रत्येक रंगीन शीट पर एक महापुरुष का चित्र , नाम व उनके कथन सुन्दर लिखावट में लिखें नीचे कुछ वाक्यों में उनके प्रति अपने विचार प्रस्तुत करें, जिनसे आप प्रेरित हों ।
Mathematics	Worksheet to be done in revision register Project – To verify the Pythagoras Theorem (Paper Cutting Method)
Physics	Q1: Make a simple pendulum (using the things easily available at home) of the given length and find their time period for 20 oscillations hence derive to the conclusion how does the change in length of the pendulum affect its time period . Q 2: Find the density and relative density of objects of given shapes: 1. Cube 2. Cuboid 3. Cylinder 4. Sphere
Chemistry	Collect material to make project in class for making atomic structure of elements to be

	given on spot. Learn electronic configuration, Valency, atomic number and mass number of elements one to twenty
Biology	<ol style="list-style-type: none"> 1. Vegetative propagation of Potato and Onion. 2. Growth of Bread mould
Geography	<p>Prepare a model or brochure using handmade sheet or craft paper or cardboard on the topic 'State of India' – Uttar Pradesh under the following heading - :</p> <ol style="list-style-type: none"> 1. Landform 2. Climate 3. Soil/Agriculture 4. Wild life/ Natural Resources 5. Culture including festivals, Folk art Traditional dress, food, lifestyle and customs <p>You can use colourful pictures and interesting facts</p>
French	<p>Based on Page number -22 of your book</p> <p>Explore the internet regarding France on the following topics -</p> <ol style="list-style-type: none"> 1) French made cars 2) railway system 3) bullet train / TGV 4) metro system <p>Take a full length chart paper and stick the pictures of the above mentioned points. Also write something on them</p>

Maths Worksheet

1. What number must be subtracted from $\frac{3}{20}$ so as to get $\frac{3}{4}$?
2. By what rational number should we multiply $\frac{-3}{7}$ so as to get $\frac{6}{49}$?
3. A student was asked to find $\frac{7}{19}$ of a certain number. He made the mistake of finding $\frac{7}{9}$ of it. His answer was 70 more than the correct answer. Find the number.
4. My son's age is $\frac{1}{3}$ of my wife's age, my wife's age is $\frac{4}{5}$ of my age, and my age is $\frac{3}{5}$ of my father's age. Find the age of my son, if my father is 50 years old.
5. Arrange the following rational numbers in ascending order:
 - a) $\frac{-3}{20}, \frac{7}{15}, \frac{-11}{10}, \frac{9}{25}$
 - b) $\frac{-20}{21}, \frac{-9}{42}, \frac{19}{35}, \frac{6}{7}$
6. $\frac{7}{11}$ of the all the money in Mr. Ram's bank account is Rs.98000. How much money does Mr. Ram have in his bank account?
7. Simplify: $[(8)^{2/3} \times (2^{-2}) \div 6^0]$
8. Simplify: $(\frac{2}{3})^0 + (\frac{2}{3})^{-1} + (\frac{1}{2})^2$
9. Find the square root of the following numbers by division method:
7396, 7921, 1964, 17424, 9801, 100489
10. Simplify: $5^3 \times 5^7 \div (5^4)^2$
11. If A:B=2:3 and B:C=4:5, find
 - a. A:B:C
 - b. Divide Rs.2625 among A,B and C in the proportion as obtained above.
12. The sides of a triangle are in the ratio 3:5:7 and its perimeter is 60 cm. Find its all sides.
13. Rs. 60 is to be divided among A,B and C. If A receives twice as much as B and B receives thrice as much as C, find what C receives?
14. Divide Rs.6600 into three parts proportional to $1\frac{1}{2} : 1\frac{2}{3} : 2\frac{1}{3}$.
15. If 6: x:150 are in continued proportion, find x.
16. What number must be subtracted from each of the numbers 12,15,18 and 24 so that the differences are proportional?
17. Find the third proportional of $3\frac{1}{2}, 8\frac{3}{4}$.
18. The marks obtained by two students are in the ratio 3:5. One student gets 85.5 marks. Find the marks obtained by other student.
19. Divide the number 1218 in the ratio $\frac{1}{2} : \frac{3}{5} : \frac{5}{6}$.
20. Check whether $\frac{3}{60}$ is fourth proportional of $\frac{1}{3}, \frac{1}{4}, \frac{1}{15}$ or not.
21. If A:B = $\frac{1}{4} : \frac{1}{3}$ and B:C = $\frac{1}{5} : \frac{1}{6}$, find A:C and A:B:C.
22. Simplify:
 - a) $\frac{(8)^{\frac{2n}{3}} \times 64^{\frac{-n}{6}}}{(27)^{\frac{4n}{3}}}$
 - b) $\frac{2^{n+1} \times 4^{n+1}}{2^{n-1} \times 4^{n-1}}$