Dr. Virendra Swarup Education Centre Kidwai Nagar H2 Block

Class- 8 Holiday Homework

Subject	Holiday Homework
English Language	On art sheets write five idioms each related to dogs and cats give their meaning give illustrations (drawing/pictures) of each idiom then use these in sentences on your own
Adventure of Grammar and composition	Do Pages – 24,25,27,29-31 (Ex A-K) Pg. 33-37 (Ex A-E) and pages 39-43 (Ex A-I)
Friday Afternoon Comprehension	Lesson 6-8 to be done
English Literature	Read the book Huckleberry Finn (Chapters 1-9) On an art sheet draw a ghost, give it a name and describe its characteristics.
Maths	Worksheet x project
Sanskrit	अविकारी शब्दों के 10 वाक्य संस्कृत में बनाये
Geography	Prepare a project or model or brochure using handmade sheet or chart paper or cardboard on the topic State of India –West Bengal under the following headings: 1. Landform 2. Climate 3. Soil/ Agriculture 4. Wild Life /Natural Resources 5. Culture including – festivals, folk and art traditional dresses, food , lifestyle and customs You can use colourful pictures and interesting facts
Physics	Project work student have to construct a design of bridge using ice cream sticks, coloured paper, fevicol, rubber band etc. It will be marked on the basis of strength
Chemistry	Fun with chemistry Using your creativity make an interesting fun game based on chemistry using the elements with atomic no 1-20. Use coloured art sheets games can be in form of riddles, cross word puzzles, dice games and so on…
Biology	1. In a shoe box show any one type of ecosystem 2. Make a first aid box include 8 common allopathic medicines with other things in it Antibiotic – 2 Analgesic – 2 Antipyretic – 2 Antiseptic - 2
हिन्दी साहित्य	मेरी अपनी दुनिया पाठ को आधार बनाकर 'घरेलु व्यर्थ वस्तुओं से कलाकृति तयार करें

हिन्दी भाषा	'हिन्दी दिवस' को ध्यान में रखते हुए स्लोगन लिख कर चार्ट बनाएं
French	Construct one sentence Utilising the following verbs - 1) écouter , 2) jardiner 3) venir. 4) pouvoir 5) verser. 6) aller 7) écrire. 8) chercher 9) être. 10) offrir Do the work in A4 sizes Excel bond paper. Translate them in to English. Make the work, presentable.

Mathematics worksheet

Q1. Five years ago, a man was seven times as old as his son. Five years hence, the father will be three times as old as his son.Find their present ages .

Q2. In how much time will Rs 6000 amount to Rs 6945.75 at 5% per annum compound interest?

Q3. A machine worth Rs 12000 is depreciated by 10% per year .What will be the value after 2 years?

Q4. Evaluate (i) $\frac{1}{1+x^a} + \frac{1}{1+x^{-a}}$ (ii) $\frac{7^{23}+7^{24}+7^{25}+7^{26}}{16}$

Q5. Find the amount which Ritu will get on Rs 81920, if she kept it for 18 months at 12.5% p.a. ,interest being compounded semi- annually

Q6. Find z if $13z = 78^2 = 26^2$

Q7. Factorise: (i) $2(a-1)^2 - 7(a-1) - 39$ (ii) $y^2 + 7y - 60$ (iii) $x^4 - (y+z)^4$

Q8. A man covers a distance of 330 km in 6 hours, partly at 48 km/hr and partly at 60 km/hr. Find the distance covered by him at 60km/hr.

Q9. A man can row 5 km/hr in still water. If the stream is running at 1.5 km/hr, it takes him 1 hour to row to a place and come back. How far is the place?

Q10. Simplify $\left(\frac{4^{-2}xy^{-3}}{x^{-3}y}\right)\left(\frac{8^{-1}x^{-2}y}{x^4y^{-1}}\right)^{-2}$ and write your answer in positive exponents only.

Q11. Solve for x $(3^3)^{\frac{2}{3}} \div \sqrt[3]{27} = 3^{x+2}$

Q12. Using laws of exponents simplify $\left[\left(\frac{2}{3}\right)^2\right]^3 \times \left(\frac{1}{3}\right)^{-4} \times 3^{-1} \times \frac{1}{6}$

Q13. Solve for x : $(x+1)(2x+8) = (x+7)(x+3)$

Q14. What will Rs 25000 amount to in 2 years at C.I. if the rates for successive years be 4% and 5% p.a. ?

Q15.Solve for x : (a) $\left(1 + \frac{1}{x+1}\right)\left(1 - \frac{1}{x-1}\right) = \frac{7}{8}$ (b) $\frac{3x-2}{2x-3} = \frac{3x-8}{x+4}$

Q16 The hypotenuse of a right angled triangle exceeds one side by 1 cm and the other side by 18 cm ; find the lengths of the sides of the triangle .

Q17 Solve the following inequation : $2y - 3 < y + 1 \leq 4y + 7 \; if \; (i) y \in Z \; (ii) y \in R$

Q18 Solve for x : $\frac{1-x}{6} + \frac{2x}{3} - \frac{1-7x}{4} = 6\frac{2}{3}$

Physics – Worksheet

QI. Two iron pieces weighing 500 g each are shaped into containers A and B of volume 50 rnL and 1 L, respectively. Will they float on water?

Q2. A metal sphere of mass 200 g displaces 10 ml- of water. What is the density of the sphere?

Q3. The densest metal, osmium, has a density of 22.59 g/cm^3. How many times is it denser than (i) water at 4^0 C; (ii) iron?

Q4. The relative density of an object is 3 and it has a mass of 600 g. What is the volume of water it will displace if it is immersed in the water?

Q5. Two density bottles of equal capacity weigh 100 g when empty. When the first density bottle is filled with liquid X, it weighs 200 g. When the second density bottle is filled with liquid Y, it weighs 250 g. What is the relative density of liquid X with respect to liquid Y?

Q6. The mass of an empty density bottle is 21.8 g, when filled completely with water is 41.8 and when filled completely with liquid it is 40.6 g. Find:

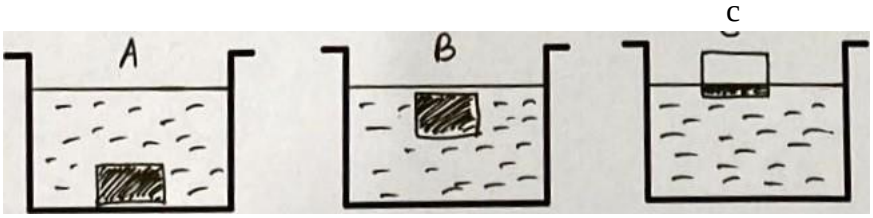
a) the volume of density bottle
b) the relative density of liquid

Q7. The mass of an empty density bottle is 30 g, it is 75 g when filled completely with water and 65 g when filled completely with a liquid. Find:

a) volume of density bottle
b) density of liquid
c) relative density of liquid

Q8. Observe the diagram, three identical blocks are immersed in three different liquids A, B and C.

a) In which case, the buoyant force is maximum?
b) Which liquid has least density? Why?
c) Which liquid has maximum density? Why?



Q9. The dimensions of a hall are 10 m x 7 m x 5 m. If the density of air is 1.11 kg/m^3, find the mass of air in the hall.

QIO. A piece of zinc of mass 438.6 g has a volume of 86 cm^3, calculate the density of zinc.