

DR. VIRENDRA SWARUP EDUCATION CENTRE, N-BLOCK, KIDWAI NAGAR
CLASS 7 HOLIDAY HOMEWORK

ENGLISH NOVEL-

Oliver Twist

Read chapters (1-6) and prepare for the quiz once the school reopens in July. Also read the novel- The Invisible Intruder. * Write the summary in your own words * Imagine that you become invisible for a day. what all things you would do ?

ENGLISH LANGUAGE- Do pages 104, 105, 151, 152, also do Comprehension passage c given on pg.164 in your English Language Register.

HINDI –जैनेन्द्र कुमार द्वारा लिखित कहानी"अपना-अपना भाग्य का "अंत अत्यंत दुखद है, क्यों कि सब भाग्य पर ही छोड़ दिया गया है।यदि हम भाग्य को सर्व स्वन समझकर कर्म को प्रधानता दें, तो इस कहानी का अंत कैसा होगा ?(हिन्दी साहित्य कॉपी में लिखें)

MATHS-To compare the marks obtained in all the subjects by a student in the first and second term examination by drawing a bar graph using paper cutting and pasting . * Refer page number 286 of the text book*(to be done in the Activity notebook).Kindly complete the given sheet uploaded on the school website based on Case Study and Assertion Reason Questions (To be done in cw. Register)

BIOLOGY-These days lifestyle of people are a major problem and leads to many health issues. You are a DIETICIAN. You have to prepare a weekly diet chart(morning - night meals) for the following kind of people ,so that their health issues are solved ---

1. An overweight woman
2. A woman with less haemoglobin
3. An underweight man
4. A person with gastric problem
5. A person with high cholestrol.

Prepare it on an A4 sheets ,and put it in a folder file and submit after school reopens.

PHYSICS-Make a Sundial of your own.Material required*: A big sheet of cardboard, scissors, wooden rod of 20 cm length, Adhesive, a pencil.

Procedure: Take a big cardboard sheet and cut out a circular piece of 25 cm diameter. Take a wooden rod of about 10 cm length. Fix it upright at the centre of the cardboard disc with the help of a good adhesive. Keep this arrangement in the sun on a sunny day in an open space at 6 am in the morning. Observe the shadow of central rod on the disc, mark its position at the circumference of the disc with the help of a pencil and write the time at this point. (You can write the time of the starting of the activity. Note the position of the shadow and mark its presence near the circumference of the disc after every hour till the sunset.)

CHEMISTRY-Collect any 10 food items and study the ingredients mentioned on its packaging.On a comment sheet or art sheet make a table mentioning the item and the acid /base or salt present in it. Also mention the nature of the acid or base present in it. (Strong or weak, Organic or mineral acid)

COLUMN HEADINGS- Food item, Acid present, Base present, Salt present, Nature

HISTORY /CIVICS - Become a Numismatist for a day. Collect the pictures of coins of the Medieval Period. Now mention the reign they belong to, its value, historical value, design, metal used, etc Make your own scrap book using 5-6 colourful art sheet.

GEOGRAPHY - Make a Project on the topic "ENVIRONMENTAL ISSUES AND THEIR MANAGEMENT" (use 4-5 coloured sheet)

COMPUTER- * Make a collage on any one of the following topics. -

- 1.Latest Memory Devices.
- 2.Types of Printers

* Create a table in Excel containing eleven rows five columns. Enter ten records as fruit Name in Column A, Price Per kg In Column B, Total Quantity in Column C. Enter 10 records

1. Calculate total price
2. Find the cheapest price
3. Find the costliest price

Take printout and Paste sheet in a file/folder.

G K- Research and present on the significant moments in space exploration and the achievements of ISRO(Indian space research organisation)

Explore current events by reading news articles and summarise them in your own words.

• **Assertion Based Questions**

Directions (Questions 1 to 5): Each questions consists of two statements, namely. Assertion (A) and Reason (R). For selecting the correct, use the following code:

- a) Both Assertion (A) and Reason (R) are true and Reason (R) is the correct explanation of Assertion (A).
- b) Both Assertion (A) and Reason (R) is not the correct explanation of Assertion (A).
- c) Assertion (A) is true but Reason (R) is false.
- d) Assertion (A) is false but Reason (R) is true.

1. Assertion (A): Consider the integers -6 and +7, we have $-6 - (+7) = -6 - 7 = -13$.

Reason (R): The difference between two integers with opposite signs is always negative.

2. Assertion (A): The fraction $\frac{4}{9}$ is in its lowest terms.

Reason (R): The LCM of 4 and 9 is 36.

3. Assertion (A): 1.94, 7.25 and 9.01 are like decimals.

Reason (R): Two or more decimals are said to be like decimals if they have the same number of digits.

4. Assertion (A): $-\frac{8}{3}$ is a rational number.

Reason (R): Every integer is a rational number.

5. Assertion (A): $(-2)^3 = -8$.

Reason (R): For any negative integer x and any natural number n, x^n is always negative.

• **Case based questions:**

Directions (Questions 1 to 4): Examine the following case study carefully and answer the questions that follow.

- Sameer arranged a vacation to Thailand with his children during their holidays. They were all excited to go scuba diving on the Coral Islands. Sameer dived 43 feet to reach the brain coral upon the directions of his instructor. He then rose by 18 feet to reach an underwater cave.

1. What is the depth of the underwater cave?
2. Sameer again dived 56 feet to reach the base of the reef. What is the depth of the reef?
3. From the base of the reef, Sameer ascended 29 feet and reached the ridge. How deep is this ridge with respect to sea level?
4. A whale passed at a depth of 23 feet from the sea level. How far was the whale from the ridge?

- Karan, an electrician, undertook the wiring job of a building. He bought $8\frac{1}{3}$ bundles of an electric cable. Each bundle had $184\frac{4}{5}$ m of cable.

1. Find the total length of the cable bought by Karan.
2. If the cost of the cable is Rs. $7\frac{3}{4}$ per metre, find the amount paid by Karan.
3. Karan used $3\frac{3}{4}$ bundles of cable for wiring in the first floor of the building. What length of the cable was used for the first floor?
4. Karan cut a length of $13\frac{4}{5}$ m from a bundle and divided the remaining cable of this bundle into pieces of length 19m each. How many pieces of 19m did he get?

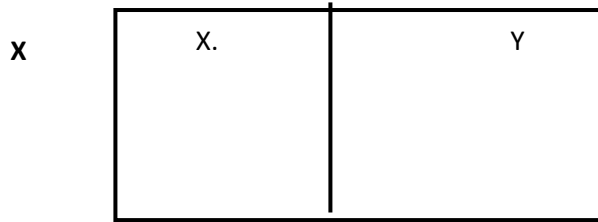
- Miraya is calling a few friends to her home. She wanted to purchase a few bakery items for them. She prepared a list of all the items that she had to buy.

Item	Quantity Required
i) Patties	6
ii) Muffins	4
iii) Bread rolls	2
iv) Box of candles	1

Her father gave her a 500 rupee note and she went to the bakery to buy these items. At the bakery, each patty costs Rs. 22.50, each muffin costs Rs. 11.75, each bread roll costs Rs. 17.25 and the box of candles costs Rs. 54.25.

1. What was the total bill that Miraya paid at the bakery?
 2. When Miraya gave the 500 rupee note to the baker owner, what amount did she get in return after paying the bakery bill?
 3. On her way back, Miraya bought 7 ice-creams, each costing Rs. 16.75. How much did she spend on the ice cream?
 4. Miraya returned the remaining amount to her father. How much did she returned ?
- A motorcycle purchased for Rs. 218700 loses two thirds of its value every year. Rakesh purchased this motorcycle and he evaluates its value at the end of every year.
1. Which of the following expressions gives the value of the motorcycle (in rupees) after n years?
 2. Find the value of the motorcycle after 3 years.
 3. In how many years will the value of the motorcycle after 3 years.
 4. By how much will the value of the motorcycle decreases in 4 years?

- Brij owns a rectangular farm land X having length $3a^2 + a^2b - 2ab$ and perimeter $6a^2 + 2a^2b - 2ab - 4b^2$. Today he purchased the adjacent farm land Y and combined the two farm lands into 1. The length of his farm land now increased by $a^2 + ab$, while the breadth remained the same.



1. Find the breadth of farm land X.
2. Find the length of the combined farmland.
3. The perimeter of the combined farmland is
4. The area of the farmland Y is

- Sudoku Based Questions:

1	4	3	
3			4
	1	2	
2		4	1

1	2		
	?		1
	3		4
		3	

	4	2	
2			3
1			4
	3	1	

		3	
		1	
			1
3		2	

	2		
		4	
2			1
	3		

1. Fill in the blanks with suitable words:

- a) _____ cat slept peacefully on the windowsill.
- b) _____ students participated in the science fair.
- c) She needs to buy _____ eggs for the cake recipe
- d) _____ stars are visible in the night sky.
- e) _____ birds chirped happily in the morning.
- f) He picked up _____ pen from the table.
- g) We watched _____ movie last night.
- h) They adopted _____ puppy from the animal shelter.
- i) _____ phone rang loudly during the meeting.
- j) _____ clouds obscured the sun.

2. Change the following sentences into indirect speech:

- a) "We are going to have pizza for dinner," she said.
- b) "I saw a shooting star last night," he said.
- c) "We will visit Paris next summer," they said.
- d) "We might go to the beach this weekend," they said.
- e) "I have finished my homework," she said.
- f) "We must finish this project by Friday," they said.
- g) "I will help you with your homework," he said.
- h) "We could go to the cinema tonight," she said.

3. Fill in the blanks with the suitable form of verbs given in the brackets:

- a) She _____ (paint) a picture for her friend's birthday.
- b) We _____ (visit) the museum last weekend.
- c) He _____ (play) soccer with his friends tomorrow.
- d) They _____ (plan) to travel to Europe next year.
- e) I _____ (read) a book when the power went out.
- f) She _____ (study) for her exams all night.
- g) We _____ (have) pizza for dinner yesterday.
- h) He _____ (watch) TV when I called him.
- i) They _____ (go) to the beach every summer.
- j) I _____ (write) an email to my teacher right now.

4. Fill in the blanks with suitable modals-

- a) You _____ take an umbrella. It might rain later.
- b) She _____ attend the meeting if she finishes her work on time.
- c) He _____ have finished his homework by now.
- d) They _____ buy a new car if they save enough money.
- e) We _____ go to the concert if we can find tickets.
- f) You _____ drink plenty of water when you exercise.
- g) She _____ come to the party if she wants to.
- h) He _____ arrive late if he doesn't leave now.
- i) They _____ help us with the project if they have time.
- j) We _____ take the train instead of driving.