

Autumn Break Homework for Secondary Classes

**Class :
6th**

Subjects		Remarks
Maths	# WORKSHEET – MATHEMATICS Multiple Choice Questions ($5 \times 1 = 5$ Marks) *Choose the correct answer.* **1.** The perimeter of a square of side 5 cm is: (a) 10 cm (b) 20 cm (c) 25 cm (d) 15 cm **2.** The area of a rectangle of length 8 cm and breadth 4 cm is: (a) 12 cm^2 (b) 24 cm^2 (c) 32 cm^2 (d) 16 cm^2 **3.** Which of the following is the correct unit for measuring area? (a) cm (b) m (c) cm^2 (d) km **4.** A rectangle has length 10 cm and breadth 6 cm. Its perimeter is: (a) 16 cm (b) 32 cm (c) 60 cm (d) 30 cm **5.** The area of a square of side 7 cm is: (a) 14 cm^2 (b) 28 cm^2 (c) 49 cm^2 (d) 21 cm^2 Short-Answer Questions *6. Find the perimeter of a rectangle whose length is 12 cm and breadth is 5 cm. *7. Find the area of a square whose side is 9 cm. *8. A square garden has a side of 15 m. Find its perimeter. *9. Find the area of a rectangle of length 14 cm and breadth 6 cm. *10. The perimeter of a square is 36 cm. Find the length of its side. *11. A rectangular field is 20 m long and 12 m wide. Find its perimeter. *12. Find the area of a rectangular floor measuring 8 m in length and 5 m in breadth. *13. The length of a rectangle is 10 cm and its breadth is 4 cm. Find the difference between its perimeter and area numerically. *14. A wire is used to form a square of side 8 cm. What length of wire is required to make the square? *15. A rectangular playground is 25 m long and 15 m wide. Find: - (a) Its perimeter. - (b) Its area.	
English	1. Learn all the Question Answers of the Lesson "Spices That Heal Us" 2. Complete The MDP on the theme "Journey Of Food" 3. Learn All the Working With Language Exercise of Spices that Heal Us given in the Text Book. 3. Learn informal Letter "Thanking Uncle for	
Hindi	1. 10 पृष्ठ सुलेख लिखें। 2. "माँ" विषय पर कविता लिखना व याद करना। 3. अनुच्छेद लेखन i) अनुशासन ii) स्वच्छता iii) समय का महत्व iv) मेरा प्रिय त्योहार v) मेरा प्रिय खेल। 4. 10 दिन की छुट्टियों की अपनी दैनिक दिनचर्या पर परियोजना कार्य (Project Work) तैयार करें। 6. "पानी" शब्द से 10 मुहावरे लिखें उसके अर्थ लिखकर वाक्य भी बनाएं। 7. राष्ट्र-गान, राष्ट्रीय गीत, प्रतिज्ञा और विद्यालय प्रार्थना याद करें और लिखें।	
Science	Collect and paste leaves having parallel and reticulate venation, fibrous and tap root. 2. Revise and solve questions of Methods of separation in every day life. 3. Complete written work if not done earlier.	

	SST	1. Locate the following places on the World Political map----- Five Oceans, 7 continents, USA, India, Russia, England, South Africa, Japan, Iraq, Saudi Arabia, Canada. 2. Read chapter 2 of your text book (Ocean and Continents.) Also make and learn 20 important question answers from the chapter. 3. Complete your Learner's Diary and MDP on the given topic 4. MDP TOPIC---Journey of Food---From Farm to Table	
	Music	Vandematram & Annual day dance/song practice	
	Art	Best out of waste project and complete art file	
	AI	create a project on any scene (jungle safari) with Scratch Jr.	
	Sanskrit	1. स्वपरिचय लिखें और याद करें। 2. पांच श्लोक लिखें और याद करें। 3. प्रतिदिन पाठ्य-पुस्तक के एक पृष्ठ का पठन अभ्यास करें।	
	Library	Write a original story in your own language either in hindi or english in 1 or 2 pages in MS word format and send it to me	
Class : 7th	Subjects		Remarks
	Maths	Geometric Twins Multiple Choice Questions *Choose the correct answer.* **1. Two figures are called geometric twins when they have: (a) Different shapes and sizes (b) The same shape and size (c) The same colour only (d) Different shapes but equal areas **2. Which of the following pairs represents geometric twins? (a) Two squares of sides 4 cm and 7 cm (b) Two circles of different radii (c) Two rectangles with dimensions 5 cm × 3 cm each (d) Two triangles of different shapes **3. If one figure can be placed exactly over another figure so that they match completely, the figures are: (a) Parallel (b) Congruent (c) Perpendicular (d) Symmetrical only **4. Which transformation changes the position of a figure without changing its shape or size? (a) Enlargement (b) Reduction (c) Translation (d) Stretching **5. When a figure is rotated through an angle, its: (a) Shape changes (b) Size changes (c) Shape and size remain the same (d) Area always doubles Section B: Short-Answer Questions *Answer the following questions. Draw figures wherever necessary.* **6. What do you understand by the term "Geometric Twins"? Give one example. **7. Draw two squares of side 3 cm each. Are they geometric twins? Give a reason. **8. Two rectangles have dimensions 6 cm × 4 cm and 6 cm × 4 cm. Explain why they are geometric twins. **9. Can two figures have the same area but different shapes? Give an example. **10. Draw a triangle and make its identical copy. What observations can you make about their sides and angles? **11. What happens to the shape and size of a figure when it is translated from one position to another? **12. A square is rotated through 90°. Does it remain a geometric twin of its original position? Explain. **13. Draw two circles of radius 2 cm at different positions. Are they geometric twins? Give a reason. **14. Explain the difference between figures that have the same shape and figures that have both the same shape and the same size. **15. Draw any two figures that are geometric twins and any two figures that are not geometric twins. Write one reason for each pair. **16. ΔAIR = ΔFLY. Identify the corresponding vertices, sides and angles.	
	English	1. Complete and Notebook for The Magical Brush of Dreams and The Spectacular Wonders 2. Complete MDP on the theme Drought and Water Conservation as instructed in the classroom.	

	Hindi	1. अनुच्छेद लेखन i) अनुशासन ii) स्वच्छता iii) समय का महत्व iv) मोबाइल फोन v) महंगाई की समस्या। 2. 10 पर्यायवाची शब्द, 10 विलोम शब्द, 10 मुहावरे लिखें। 3. फास्टफूड के 5 फायदे और 5 नुकसान लिखें। 4. अपने प्रिय मित्र को अपनी किसी मनपसंद यात्रा के विषय में बताते हुए पत्र लिखें। 5. 10 दिन की छुट्टियों की अपनी दैनिक दिनचर्या पर परियोजना कार्य (Project Work) तैयार करें। 6. राष्ट्र-गान, राष्ट्रीय गीत, प्रतिज्ञा और विद्यालय प्रार्थना याद करें और लिखें।	
	Science	Draw diagrams of Human digestive system and respiratory system on chart. 2. Revise and solve questions of Chapter- 9 (Life processes in animals) 3. Complete written work if not done earlier.	
	SST	1. Locate the following places on the Indian Political map-----Ladakh, Somnath and Konark Temple, Mathura, , Goa, Bihar, Garha Katanga, Amritsar, Manipur, Mizoram, thar desert, island of India . 2. Read chapter 3 of your text book (Indian Farming System .) Also make and learn 20 important question answers from the chapter. 3. Complete your Learner's Diary and MDP on the given topic 4. MDP TOPIC---Drought and Water Conservation	
	Music	Vandematram & Annual day dance/song practice	
	Art	Best out of waste project and complete Art file and cover	
	AI	create a report on BlueTrace Technology	
	Sanskrit	1. स्वपरिचय लिखें और याद करें। 2. पांच श्लोक लिखें और याद करें। 3. प्रतिदिन पाठ्य-पुस्तक के एक पृष्ठ का पठन भ्यास करें।	
	Library	Write a original story in Hindi or English in ms word .story should not be copied from Google or ChatGPT.it should be maximum 1 or 2 pages	
Class : 8th	Subjects		Remarks
	Maths	WORKSHEET Q1. 35% of 200 is: (a) 35 (b) 50 (c) 70 (d) 80 Q2. An article is purchased for ₹500 and sold for ₹600. The profit is: (a) ₹50 (b) ₹100 (c) ₹150 (d) ₹200 Q3. An article bought for ₹800 is sold for ₹720. The loss percentage is: (a) 5% (b) 8% (c) 10% (d) 12% Q4. The total sales of a company (also called revenue) was ₹2.5 crore last year. They had a healthy profit margin of 25%. What was the total expenditure (costs) of the company last year? Q5. In a school, 15 of the 80 students come to school by walking. What percentage of the students come by walking? Q6. Find the value of the following A. 10% of 50 b. 30% of 200 c. 50% of 250 d. 25% of 1000 e. 15% of 220 Q7. Mariam's farm has a peculiar bull. One day she gave the bull 2 units of fodder and the bull ate 1 unit. The next day, she gave the bull 3 units of fodder and the bull ate 2 units. The day after, she gave the bull 4 units and the bull ate 3 units. This continued, and on the 99th day she gave the bull 100 units and the bull ate 99 units. Represent these quantities as percentages. This task can be distributed among the class. What do you observe? Q8. If a shopkeeper buys a geometry box for ₹45 and sells it for ₹100, what is his profit margin with respect to the cost?	
	English	Complete " Spectacular Wonders' and The Magic Brush of Dreams " . on Fair Notebooks and Learn all their QuestionAnswers 2 . Complete Multi Disciplinary Project " Life In Artificial Intelligence " as instructed in Classroom. 3 Solve Crosswords and Puzzles and Anagrams	
	Hindi	1. 10 पर्यायवाची शब्द, 10 विलोम शब्द, 10 मुहावरे लिखें। 2. अनुच्छेद लेखन i) अनुशासन ii) पर्यावरण iii) समय का महत्व iv) मोबाइल फोन v) साइबर क्राइम। 3. पत्र लेखन i). अपने छोटे भाई को कुसंगति से बचने के लिए पत्र लिखें। ii). अपने मित्र को खेल में स्वर्ण पदक पाने पर शुभकामनाएं देते हुए पत्र लिखो। iii) अपने इलाके में बिजली कटौती को रोकने के लिए बिजली विभाग में पत्र लिखिए। 4. 10 दिन की छुट्टियों की अपनी दैनिक दिनचर्या पर परियोजना कार्य (Project Work) तैयार करें।	
	Science	1. Make a chart showing difference among elements, compounds and mixtures and write at least 5 examples of each. 2.Revise and solve questions of Chapter 8(Elements, compounds and mixtures)3. Complete written work if not done earlier.	

	SST	1. 1. Locate the following places on the World Political map----- Five Oceans, 7 continents, Gobi desert, Tibetan plateau, Eurasian steppe, USA, India, Russia, England, South Africa, Japan, Iraq, Saudi Arabia, Canada. 2. Read chapter of your text book(World Geography Glimpse) Also make and learn 20 important question answer from the chapter. 3. Complete your Learner's Diary and MDP on the given topic 4. MDP TOPIC---Life in Artificial Intelligence (AI)	
	Music	Vandematram & Annual day dance/song practice	
	Art	Madhubani bani and warli Art, Size A3, Colour Acrylic	and file Deciration
	AI	create project on waste classification with report	
	Sanskrit	1. स्वपरिचय लिखें और याद करें। 2. पांच श्लोक लिखें और याद करें। 3. प्रतिदिन पाठ्य-पुस्तक के एक पृष्ठ का पठन अभ्यास करें।	
	Library	Write a original story in Hindi or English in ms word maximum 1 or 2 pages. Story should not be copied from Google or ChatGPT	
Class : 9th	Subjects		Remarks
	Maths	MATHEMATICS WORKSHEET Section A: Perimeter and Area **Q1. Find the perimeter of a rectangle whose length is 18 cm and breadth is 12 cm. **Q2. Find the area of a circle whose radius is 7 cm. **Q3. The side of a square is 14 cm. Find its perimeter and area. **Q4. A circular garden has a diameter of 28 m. Find the distance covered by a person who completes 3 rounds of the garden. **Q5. The circumference of a circle is 44 cm. Find its radius and area. Section B: Heron's Formula **Q6. State Heron's formula for finding the area of a triangle when its three sides are known. **Q7. Find the area of a triangle whose sides are 13 cm, 14 cm and 15 cm using Heron's formula. **Q8. Find the area of a triangle with sides 5 cm, 12 cm and 13 cm using Heron's formula. **Q9. The sides of a triangular field are 20 m, 21 m and 29 m. Find its area using Heron's formula. **Q10. Find the area of an isosceles triangle whose equal sides are 10 cm each and whose base is 12 cm. Use Heron's formula. Section C: Probability **Q11. Define probability and write its formula for an experiment with equally likely outcomes. **Q12. A fair die is thrown once. Find the probability of getting: - (a) A number greater than 4 - (b) An even number **Q13. A coin is tossed once. Find the probability of getting a head and the probability of getting a tail. **Q14. A bag contains 5 red balls, 3 blue balls and 2 green balls. One ball is drawn at random. Find the probability that it is: - (a) Red - (b) Green **Q15. One card is drawn at random from cards numbered 1 to 20. Find the probability of drawing: - (a) A multiple of 5 - (b) A prime number Section D: Circles **Q16. Define a chord of a circle. How is a diameter related to a chord? **Q17. What is the angle subtended by a diameter at a point on the circle? **Q18. In a circle with centre O, equal chords AB and CD are given. What can you say about the angles subtended by these chords at the centre? **Q19. A chord of a circle is 16 cm long. The perpendicular distance from the centre to the chord is 6 cm. Find the radius of the circle. **Q20. Prove that equal chords of a circle subtend equal angles at the centre.	
	English	1 One Factual Reading Passage of 250 words 2 One Descriptive Passage of 250 words. (Shared with Students in Class Group. 3 Letter to Editor for Bad Supply of Drinking Water. 4 Letter to Editor about Bad Condition of roads in your Locality. 5 Write a descriptive Paragraph on Deepa Malik (Paralympic Athlete) 6 A Descriptive Paragraph on A Visit to Hill Station) 7 Learn all the Question Answers of The Wold of Possible Limitations and Nine Gold Medals .	

	Hindi	1. अर्धवार्षिक परीक्षा का प्रश्न पत्र अपनी कार्य पुस्तिका में हल करें। 2. कोई दो लघुकथा लिखें- "एकता में बल" और "लालच बुरी बला" 3. समास के भेदों को लिखते हुए प्रत्येक समास के चार-चार उदाहरण लिखें। 4. "भारती जय विजय करें " कविता का सार लिखो 5. परीक्षा परिणाम आने के बाद दो मित्रों के मध्य संवाद लिखें। 6. अनुच्छेद लेखन i) अनुशासन ii) पर्यावरण iii) समय का महत्व iv) मोबाइल फोन v) साइबर क्राइम। 7. पत्र लेखन i). अपने छोटे भाई को प्रातः काल की सैर के फायदे बताते हुए पत्र लिखें। ii). अपने मित्र को खेल में स्वर्ण पदक पाने पर शुभकामनाएं देते हुए पत्र लिखो। iii) अपने इलाके में बिजली कटौती को रोकने के लिए बिजली विभाग में पत्र लिखिए 8 10 दिन की छुट्टियों की अपनी दैनिक दिनचर्या पर परियोजना कार्य (Project Work) तैयार करें। 9 अर्धवार्षिक परीक्षा प्रश्न पत्र का सही हल एक बार लिखें।	
	Science	1. Prepare portfolio. 2. Revise and solve questions of Chapter 6 (How forces affect motion) 3.Complete written work if not done earlier.	
	SST	1. Locate the following places on the Indian Political map----- Mewar, Ladakh, Somnath and Konark Temple, Mathura, , Goa, Bihar, Surat , Amritsar, Manipur, Mizoram, thar desert, island of India 2. Read the chapter "Resistance and Resilience(1000 to 1700 CE)". Also make and learn 20 important question answer from the chapter. 3. Complete the given Portfolio . It carries 5 marks in Internal assessment. 4. Complete the Project on "Individuals in the Society" who has left . It carries 5 marks in Internal assessment 5. Solve the PT-2 Question paper in your Fair notebook	
	Music	Vandematram & Annual day dance/song practice	
	Art	Folk Art Madhubani / Warli Art and file decoration	
	AI	create a project report on Emotion Analyzer: A text- or image-based tool that detects basic human emotions (happy, sad, angry) using Google's Teachable Machine.	
	Sanskrit	1. स्वपरिचय लिखें और याद करें। 2. पांच श्लोक लिखें और याद करें। 3. प्रतिदिन पाठ्य-पुस्तक के एक पृष्ठ का पठन अभ्यास करें।	
Class : 10th	Subjects		Remarks
	Maths	Solve latest CBSE sample papers. Prepare practical file.	
	English	Two Sample Papers with the Instructions to Solve Trading Passages , Writing Section , Grammar and Stanazas in a separate Notebook and Extracts , and Learn all the SATQ and LATS of both the sample Papers .	
	Hindi	1. अपने विद्यालय के प्राचार्य को चरित्र प्रमाण पत्र प्राप्त करने के लिए प्रार्थना-पत्र लिखें। 2. आपके शहर में सभी प्रकार के खाद्य पदार्थों में मिलावट का धंधा लगातार बढ़ता ही जा रहा है आपके राज्य के खाद्य मंत्री को dfpd@gov.in पर एक ईमेल लिखकर इस समस्या के प्रति उनका ध्यान आकृष्ट कीजिए। 3. छात्रों के लिए खेल सामग्री उपलब्ध कराने का अनुरोध करते हुए अपने प्रधानाचार्य महोदय को kvs@gmail.com पर एक ईमेल लिखें। 4. निम्नलिखित संकेत बिंदु के आधार पर अनुच्छेद लिखें- "(क) नारी सशक्तिकरण" i) प्रस्तावना ii) वर्तमान समय में नारी की स्थिति iii) नारी में अधिक मानवीय गुण iv) नारी की स्थिति और पुरुष की सोच। *ख) चुनाव व राजनीति पर अनुच्छेद लिखें।* संकेत बिंदु- i) प्रस्तावना ii) दिल्ली विधान सभा चुनाव iii) आम जनता की भागीदारी iv) राजनीति में धर्म व जातिवाद का बढ़ता वर्चस्व 5. अपना एक पोर्टफोलियो तैयार करें। 6. अर्धवार्षिक परीक्षा प्रश्न पत्र का सही हल लिखें। 7. वाक्य भेद , वाच्य, अलंकार और पद परिचय सभी विषयों के बारे में लिखकर उदाहरण सहित याद करें।	
	Science	1.Solve latest CBSE SAMPLE paper. 2. Prepare your activity file.	
	SST	1. Complete the map work told in the class and shared in class group. 2. Revise the whole syllabus of History and Geography. Write 20 question answer in your Fair Note book(10 SA and 10 LA) 3. Complete the given Portfolio . It carries 5 marks in Internal assessment. 4. Complete the Project of Consumer Rights who has still left . It carries 5 marks in Internal assessment 5. Solve the PT-2 Question paper and one CBSE sample paper in your Fair notebook.	
	AI	complete project report on waste classification using Teachable Machines	
	Sanskrit	2 आदर्श प्रश्न पत्र को हल करें और अनुप्रयुक्त व्याकरण के सभी उपविषयों की पुनरावृत्ति करें।	