

Class: 9th

Subject: English

1. Revise: Prose- Packing

Poem: 1. No Men Are Foreign

2. To Blossoms

3. The Road Not Taken

Short story: The Adventures of Toto

- 2. Write a paragraph on "Life in Lockdown".
- 3. Write the central idea of the poems "To Blossoms" and "No Men Are Foreign
- 4. Imagine you are Sapna, living in a school hostel. Write a letter to your mother about your life in the hostel.
- 5. Write an essay on the following topics:
- i) Value of Discipline in life
- ii) Evils of Dowry system
- 6. Activity: Find out the meaning of five difficult words from each chapter, the chapter mentioned above and make their flash cards.

Note: Use a separate notebook for holidays homework.

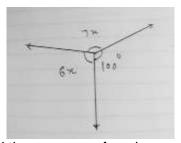
Mathematics

Choose correct answer(s) from the given choices

- (1) If the angles are arranged in the ascending order of their measures, find the correct arrangement.
- a. Acute, Right, Obtuse, Straight, Reflex
- c. Acute, Obtuse, Right, Straight, Reflex Acute
- **b.** Acute, Right, Obtuse, Reflex, Straight
 - d. Reflex, Straight, Obtuse, Right,
- (2) At what time an acute angle is formed between the hands of a clock?
- **a.** 12:00 a.m
- **c.** 3:40 p.m
- (3)

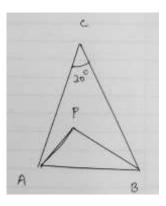
b. 5:30 p.m



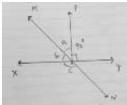


Find the measure of angle x.

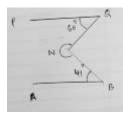
(4) In \triangle ABC, \angle ACB= 30° and \angle CAB= 80° and the interior angle bisectors of \angle CAB and \angle ABC intersect at P. Find the value of \angle APB.



(5) If lines XY and MN intersect as shown below and a:b = 3:2, angle c = _____.



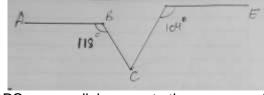
(6) If AB and PQ are parallel, the value of ∠W is_____.



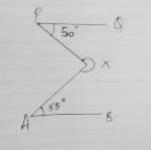
Answer the questions

(7) If an angle is 58° greater than its supplement, find the measure of the angle.

(8) If AB and DE are parallel to each other, find the measure of $\angle BCD$.



(9) If AB and PQ are parallel, compute the measure of $\angle X$.



(10) If the difference between the measure of an angle and its complement is 56°, find the measure of the angle.

(11) Represent $\sqrt{3}$ on a number line.

- (12) Represent $\sqrt{8.6}$ on a number line.
- (13) Represent $\sqrt{5}$ on a number line.
- (14) Represent $0.\overline{7}$ in the form of $\frac{p}{a}$
- (15) Represent $0.8\overline{3}$ in the form of $\frac{p}{q}$.
- (16) a) Find 5 rational numbers between 1 and 2.
- b) Find 5 rational numbers between -3 and -2.
- c) Find 5 rational numbers between $\frac{1}{2}$ and $\frac{1}{4}$.
- d) Find 5 rational numbers between $\frac{1}{5}$ and $\frac{1}{3}$.
- e) Find 5 rational numbers between $\frac{3}{3}$ and $\frac{5}{3}$.
- f) Find 5 rational numbers between $-\frac{3}{2}$ and $-\frac{1}{2}$.

(17) Expand:

- a) $(2a-3b)^2$ b) $(a^2-b^2)^3$
- c) (2x + 3)(2x 3)
- d) (4x-9)(4x-7)
- e) $(2x + 3y 5z)^2$

(18) Multiply:

- a) $(2x + 3y + z)(3x^2 8xy + 7z^3)$
- b) $(8m 5n + 3)(10m^2 6n + 15)$
- c) (2x 3y)(5x 2y)
- d) (a + 2b 3c)(3a + 10b)
- e) (4m + 5mn 9n)(-7mn + 4n 8n)
- f) (7x 8y + 2xy 9xyz)(4xy 6y + 3xyz)

- g) $(x y z)(2x^2 7xy + z^2)$ h) $(10a^2 5b^2 + 6x^2y^2)(a^2 2b^2)$ i) $(9ab^2 5bc^2)(-3ab^2 + 7bc^2 + 8)$ j) $(pq^2 + p^2 q^2 pq)(10pq + 6p^2 q^2)$.

DBN (10 + 2) VIDYA MANDIR, MUBARAK MANDI WORKSHEET - MATHS CLASS: 9th (1) Factorize: a2 - b - ab + a. (2) Simplify: (625z* - 16) + (5z - 2). (3) Simplify: [(7p + 2)*-56p] + (7p - 2). (4) Factorize (6a - 5)2 + 120a. Fill in the blanks: (5) Solve the following using the standard identity $a^z - b^z = (a+b)$ (a-b). A) $987^z - 13^z =$ B) $86^z - 14^z =$ (6) Fill the missing values in the following factorization: $12x^2y^2 + 32xy^2z^2 = xy^2(-x + 8z^2)$ Answer the questions: (7) Factorize: s(s-1) - t(t+1)(B) Factorize: 4(2a - 3b)² - 6(2a - 3b)² (9) Find factors of the following polynomial $q^2 - 9pq + 2q - 18p$ Project Work. Represent 52, 53, 55, 57, 50 on Scanned with Cambianne

Science

Physics/ chemistry

- 1. Prepare working model of lungs by using plastic bottle.
- 2. Make an air pump using plastic bottle.
- 3. Make a vacuum cleaner using plastic bottle.
- 4. Prepare colorful chart Of Indian scientists and their inventions.
- 5. Learn two questions/answers daily and then write on rough notebooks with parent's signatures and dates.

Biology

1. Read chapter: Fundamental Unit of life and

Chapter: Tissues, thoroughly and revise the syllabus done in the month of April and May.

- 2. Explain the following concepts (50 words to each)
- a) Cell: prokaryotic and eukaryotic
- b) Fluid Mosaic Model
- c) Nucleus
- d) Golgi apparatus
- e) Mitochondria
- f) Ribosomes
- g) Plastids
- h) Lysosomes
- i) Plant cell and Animal cell
- j) Cell theory
- 3. Prepare a model on any one of the above mentioned organelle. Example: Nucleus etc.
- 4. In the scrap book, draw well labeled diagrams of all the organelles.
- 5. Make a chart to show the various types of tissues in plants and animals.

Social Studies

- 1. Project file on "Disaster Management" along with photograph
- 2. Project on Agriculture and different types of agriculture practiced in India along with photographs.

Both the projects should be done on A4 size coloured sheet.

क्रीकामालीन अवकाश गृहमागे		
निया : नंगी है		-
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पाठ-ड (सारिनयाँ, सानद), पाठ-८ (ग्राग भी) का पठन करें और इसके प्रसंग व्यारन्या, प्रवनीतर और नघु प्रवनीतर आपनी कार्य पुरुतक पर करें।		-
पर करें।		
🔻 इनाई प्रथम का सूम्पूर्ण कार्य याद करें।		
🛪 मितिदेन एक पुष्ठ सुलेख अपनी कार्य पुरूतक पर करें।		-
काई प्रथम का स्मूम्पूर्ण कार्य याद करें। अप्रितिदेन एक पूष्ट सुलेख अवनी कार्य पुरूतक पर करें। अप्रितिदेन हिन्दी का स्मानार पत्र या हिन्दी की किसी पुरूतक का पठन करें। (याण्यों के उन्नार्ग क पर विशेष ह्यान हैं) हिन्दी-वीर् (निवन्धे), ब्राह्मा में खेलों का महत्त्व पूर्व दीपावली		-
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त्र मेह्गाई की समस्या ड दहेन प्रथा इ. मेरे जीवन का लक्ष्य , राष्ट्रीय पर्व		-
त्र/प्रार्थना पत्र हे समये का महत्त्व बतात हुए अपने हुन्हें भाई की पत्र लिखें।		
ु कुर्रागिति से बूबने के लिए अपने ह्योरे आई को पत्र लिखें।		
त्रि/प्रार्थना पत्र दे समय का महत्त्व बताते हुए अपने ह्योरे ग्राई को पत्र लिखें। जु. कुर्शगिति से ब्वन के लिए अपने ह्योरे भाई को पत्र लिखें। उ. पुरुतकें मंगुबाने के लिए पुरुतक चिक्रेता को पत्र लिखें।		
ा. श्रिमाण पत्र लग का लिए अपना मुख्याध्यापका जा का त्रापना-पत्र लिख	1	
योक्नरेंगी, 50 मुहावरों के अर्घ लिखकर वाक्य बनाइए।		-
2. 20 सम्ब , 20 सम्ब किट्छेंड , 30 पर्यायनाची अवद कीजिए । (परियोजना कार्य)		-
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पांच-पांच अण्यारी लिखते हुए हिन्दी आण्यकोष तैयार मीपिरा	V/SV	-
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नोट्री लेखन् पर निशेष ध्यान दें।	1215	
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