

SUMMER HOLIDAY HOMEWORK- 2026

Class - 9th ENGLISH

All the students are instructed to use Kaveri book for completing the task.

1. P.N.17 - Speaking Activity (debate)
2. P.N. 19 – Writing Task (Letter)
3. P.N. 31 – Speaking Activity (conversation)
4. P.N. 32 – Writing Task (Paragraph)
5. P.N. 52 – Reading Task Read

“Quality” Read & write theme,

summary, SQ/A

6. P.N. 67 – Reading Task Read “The Lamplighter” Read the poem

Write summary and theme

7. Learn the Q/A and word meanings of taught lessons.

8. Creative Writing

Write a diary entry about your “Best Day of Summer Vacation” in 120–150 words.

9. Reading Activity

Read any English storybook or newspaper article and write: Title

Main characters Moral/message

5 new words with meanings

9. Grammar Practice Complete these exercises:

Write 10 sentences using:

Present tense Past tense

10. Speaking & Listening

Watch an English news channel or speech for 15 minutes and write: Topic discussed

5 important points

Your opinion in 80 words. 11. Vocabulary Builder Write:

20 synonyms

20 antonyms

10 idioms with meanings and sentences

Example idiom:

“A blessing in disguise” – Something good hidden inside a bad situation.

1. Find the formula unit mass of:

- * NaCl
- * CaCO_3
- * MgO
- * NaOH
- * CaO

Section E – Activity Work

Make a colourful table of the first 20 elements with their symbols and atomic masses.

PHYSICS

- 1 Define distance and displacement with one example each.
- 2 What is the difference between speed and velocity?
- 3 A car travels 120 km in 3 hours. Calculate its average speed.
- 4 Draw a distance-time graph for a body moving with uniform speed and explain it.
- 5 What do you mean by uniform motion and non-uniform motion? Give examples.
- 6 A student walks 400 m towards east and then 300 m towards north. Calculate:
 - Total distance covered
 - Displacement of the student
- 7 Explain acceleration. A bike increases its velocity from 10 m/s to 25 m/s in 5 seconds. Find the acceleration.
- 8 Define force. Write any four effects of force.
- 9 State Newton's First Law of Motion with one daily life example.
- 10 What is inertia? Explain its types briefly.
- 11 State Newton's Second Law of Motion. Derive the formula $F = ma$.
- 12 A force of 20 N acts on a body of mass 4 kg. Calculate the acceleration produced.
- 13 State Newton's Third Law of Motion with two examples from daily life.
- 14 A cricket ball of mass 0.5 kg moving with a velocity of 12 m/s is stopped by a player in 0.2 s. Calculate the force applied by the player.

BIOLOGY

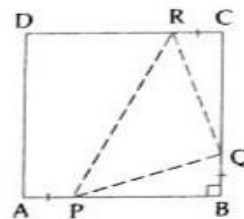
- Q1) Growth in the stem of a plant increases its girth. Name the specific tissue responsible for this growth and state its location.
- Q2) Aquatic plants like Hydrilla and water hyacinth float easily on water. Which modification of parenchyma tissue helps them do this, and how?
- Q3) Draw a neat diagram of a stomata, labeling the guard cells and epidermal cells. What is the primary function of stomata besides gas exchange?
- Q4) Why are cells of sclerenchyma tissue dead, while parenchyma cells are living? Mention the chemical deposition found in sclerenchyma.
- Q5) Contrast Xylem and Phloem based on:
- i) Direction of flow of material.
 - ii) Living/Dead components.
 - iii) Main function.
- Q6) Imagine a tree trunk in a forest. It doesn't have a thin epidermis like a young leaf; instead, it has a thick bark/cork. How does the epidermis transform into cork?
- Name the chemical present in cork cells that makes them impervious to gases and water.
- *Project work*
- Roll no. 1 to 20
- * Draw a flowchart of plant tissue on A3 sheet
- Roll no. 21 to 40
- * Draw the diagram of Xylem and Phloem in A3 Sheet

MATHEMATICS

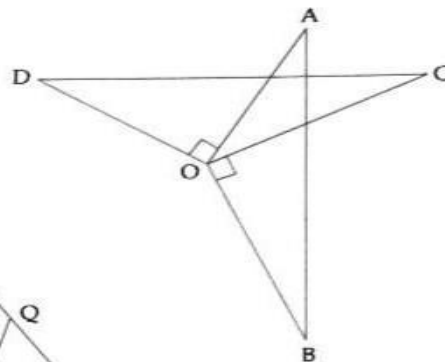
1. In triangles ABC and DEF, $\angle A = \angle D$, $\angle B = \angle E$ and $AB = EF$. Will the two triangles be congruent? Give reasons for your answer. (Exemplar)

2. In the adjoining figure, ABCD is a square. P, Q and R are points on the sides AB, BC and CD respectively such that $AP = BQ = CR$ and $\angle PQR = 90^\circ$. Prove that

- (a) $\triangle PBQ \cong \triangle QCR$
- (b) $PQ = QR$
- (c) $\angle PRQ = 45^\circ$.

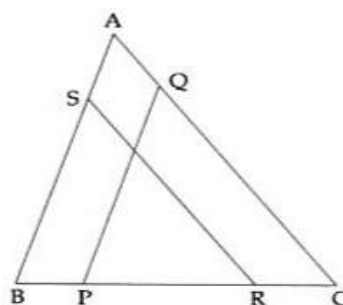


3. In the adjoining figure, $OA \perp OD$, $OC \perp OB$, $OD = OA$ and $OB = OC$. Prove that $AB = CD$.

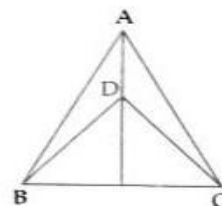


4. In the adjoining figure, $PQ \parallel BA$ and $RS \parallel CA$. If $BP = RC$, prove that:

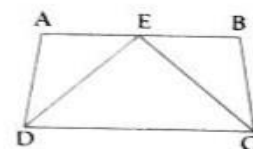
- (i) $\triangle BSR \cong \triangle PQC$
- (ii) $BS = PQ$
- (iii) $RS = CQ$.



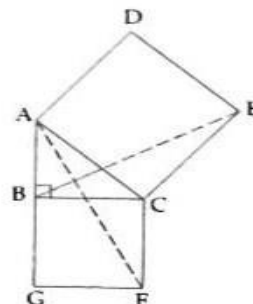
5. In the adjoining figure, $AB = AC$, D is a point in the interior of $\triangle ABC$ such that $\angle DBC = \angle DCB$. Prove that AD bisects $\angle BAC$ of $\triangle ABC$.



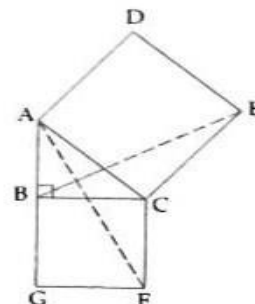
6. In the adjoining figure, $AB \parallel DC$. CE and DE bisect $\angle BCD$ and $\angle ADC$ respectively. Prove that $AB = AD + BC$.



7. In $\triangle ABC$, D is a point on BC such that AD is the bisector of $\angle BAC$. CE is drawn parallel to DA to meet BA produced at E. Prove that $\triangle CAE$ is isosceles.



8. In the adjoining figure, ABC is a right angled triangle at B. ADEC and BCFC are squares. Prove that $AF = BE$.



9. Three vertices of a rectangle are A(2,-1) B (2,7) and C(4,7) . Plot these points on a graph and hence use it to find the co-ordinates of the fourth vertex D. Also find the coordinates of

- a) the mid point of BC

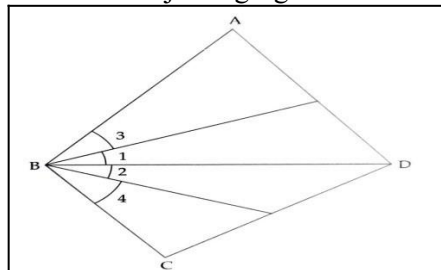
- b) the mid point of CD
c) the point of intersection of the diagonals
d) What is the area of a rectangle ?

10. . A line segment is of length 10units and one of its ends is $(-2,3)$. If the ordinate of the other end is 9, find the abscissa of the other end .

11. . Write all Euclid's axioms and postulates.

12. In a triangle ABC , X and Y are points on AB and BC such that $BC = BY$ and $AB = BC$. Show that $AX = CY$. State Euclid's axiom used .

13. . In the adjoining fig. $\angle 1 = \angle 2$ and $\angle 3 = \angle 4$. Show that $\angle ABD = \angle CBD$ and state Euclid's axioms used .

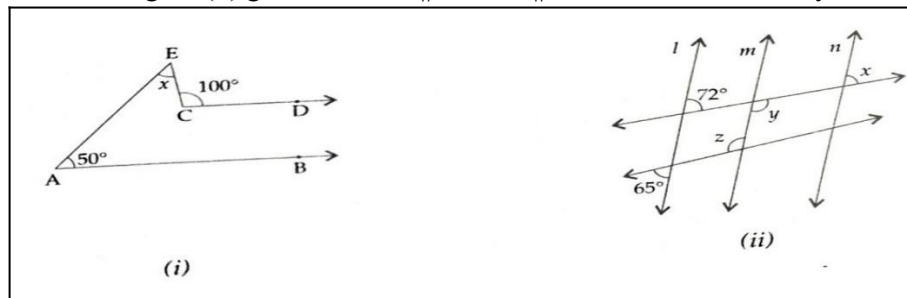


14. . Arrange the following in descending order of their dimensions: Surface, Point , Solid , Line .

15. Solve the equation $x + 4 = 10$ and state Euclid's axiom used .

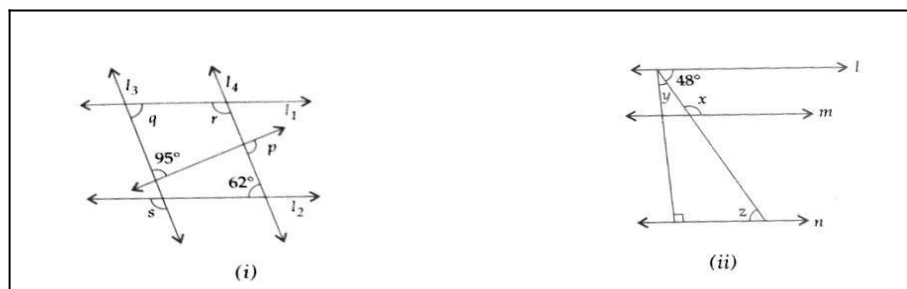
16. In the figure (i) given below $AB \parallel CD$. If $\angle EAB = 50^\circ$ and $\angle ECD = 100^\circ$, Find $\angle AEC$.

17. In the figure (ii) given below, $l \parallel m$ and $l \parallel n$. Find the value of x, y, z .



18. In the figure (i) given below, $l_1 \parallel l_2$ and $l_3 \parallel l_4$. Find the value of p, q, r and s .

19. In the figure (ii) given below, $l \parallel m$ and $m \parallel n$. Find the value of x, y , and z .



20. In the adjoining diagram, $DE \parallel BC$. Find the value of x .

