

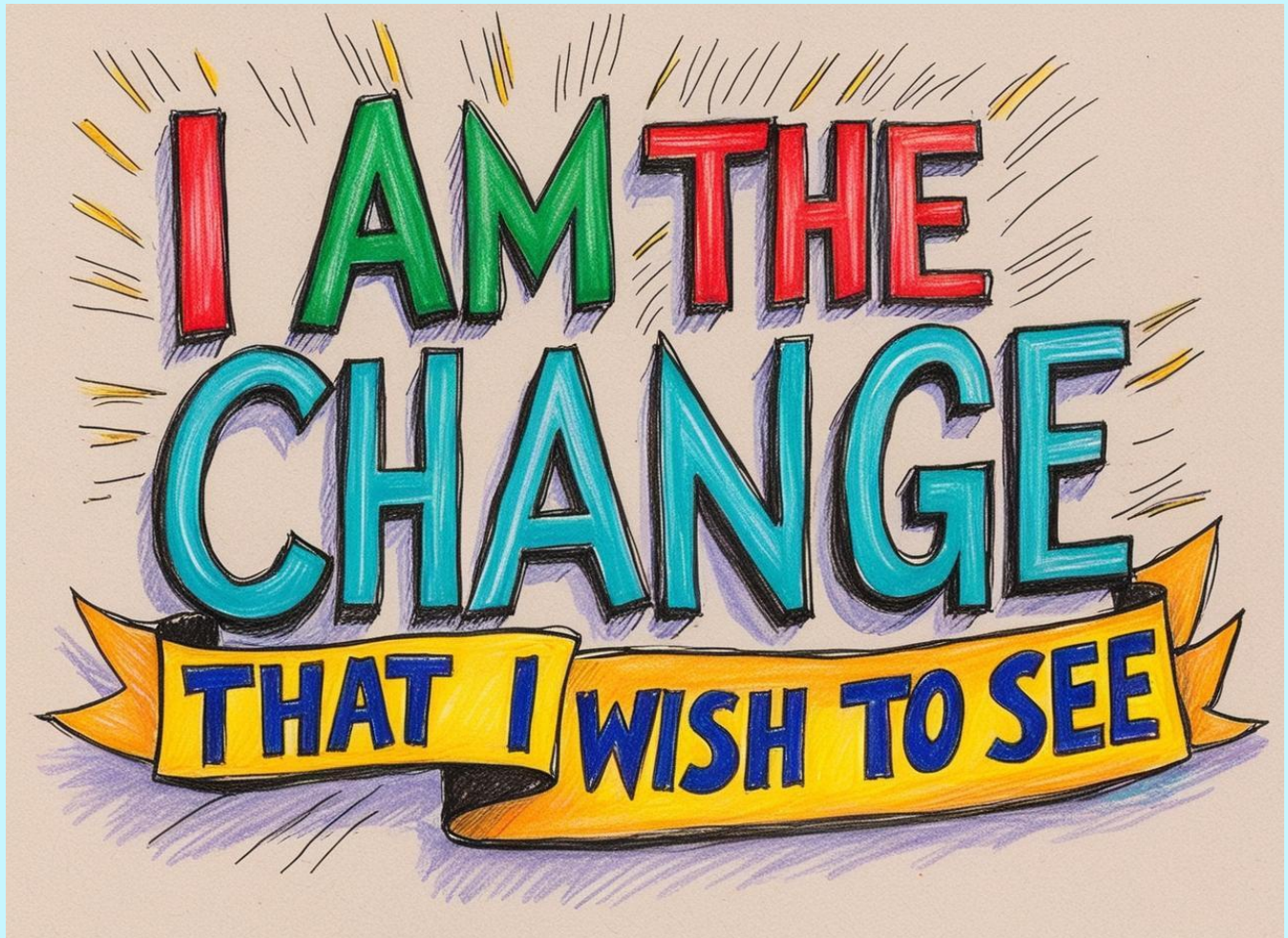


Romex
INTERNATIONAL SCHOOL

HOLIDAY HOMEWORK

SESSION 2025-26

CLASS - IX



Holiday Assignment (2025-26)
English Language and Literature

Subject Code - 184

ASSIGNMENT WORKSHEET.

Class IX

General Instructions

- (i) The assignment is to be solved in a separate notebook or register and should be handwritten.
- (ii) Students are suggested to revise the topics done in the class before attempting the worksheet.

SECTION-A

READ THE PASSAGE AND ANSWER THE QUESTIONS

(1) In a new finding, climate change has now become a national issue in America as a recent study has deduced that warming-induced drought in the Middle East is leading to increased conflicts over food and water, leading to its consequences on America and the world. The accelerating rate of climate change poses a severe risk to national security and acts as a catalyst for global political conflict. This is the conclusion drawn up by US experts, according to a government report. At the US Centre for Naval Analyses, the Military Advisor-Board found that climate change had induced drought in the Middle East and Africa. The lack of food and water was affecting the populations of these countries to take recourse to extreme measures. This had escalated long-standing ethnic tensions into violent clashes in the affected countries. In addition, the report predicted that an increase in catastrophic weather conditions

worldwide would create more demand for American troops, even as flooding and disastrous weather could damage naval ports and military bases.

(2) According to official findings, the report signaled that it would influence American foreign policy as well. The report vitalizes situations caused by the massive dislocation or massive drying up of the waters of the Nile or of the major rivers of India and China. Pentagon officials also feel that the reports would affect military of their country as climate change is having an impact on national security, whether by increasing global instability or by opening the Arctic or by increasing sea level and storm surge close to coastal installations.

This is the first major study to draw the link between climate change and national Security. Thus, American leaders are delivering major speeches wherein they are linking up climate change with that of national security. New regulations would also be put in place to cut pollution from coal-fired power options.

(3) The report follows a recent string of scientific studies that warn that the effects of climate change are already occurring and that more droughts, extreme storms, food and water shortages, and damage to infrastructure will occur in the future. There is thus, a link in some quarters between rising sea waters and terrorism. These effects are stress multipliers that will aggravate stressors abroad, such as poverty, environmental degradation, political instability and social tensions.

Answer the following questions, based on the passage above.

(A) How does the author feel about the impact of climate change on global political conflict?

- (a) Optimistic
- (b) Concerned
- (c) Dismissive
- (d) Apathetic

(B)What is the tone of the writer in the given lines from paragraph (3) ?

Rationalise your response in about 40 words.

These effects are stress multipliers that will aggravate stressors abroad, such as poverty, environmental degradation, political instability and social tensions.

(C)Complete the sentence appropriately.

According to the passage, the lack of food and water in the Middle East and Africa has led to an increase in

(D)The passage includes some words that are similar to each other. From the sets (a)-(d) below, identify one set of synonyms.

- (a) Catastrophic and disastrous
- (b) Deduced and induced
- (c) Impact and extreme
- (d) Catastrophic and extreme

(E)Complete the sentence appropriately.

The author's tone in the passage is predominantly _____ about the implications of climate change.

(F)What is the message conveyed by the passage?

- (a) Climate change has no impact on national security.
- (b) The lack of food and water leads to cooperation among nations.
- (c) Climate change contributes to global conflicts and security risks.
- (d) The military is unaffected by climate change

(G)Why does the author use the term 'ethnic tensions'?

(H) Based on the reading of the passage, examine, in about 40 words, how climate change-induced conflicts are like sparks in a dry forest.

SECTION-B

1. Choose the appropriate options

1. She ————— the railway station before the train came.

- a) had reached
- b) has reached
- c) reached
- d) was reached

2. His uncle does not ————— here.

- a) live
- b) lives
- c) living
- d) lived

3. Peter ————— editing this magazine for twenty-five years by next January.

- a) will be
- b) will have been
- c) is
- d) would be

4. Peter ————— two wickets before rain interrupted play.

- a) took
- b) has taken

- c) had taken
- d) had took

5. I _____ him twice before he left for New York.

- a) saw
- b) have seen
- c) had seen
- d) seen

6. Edison _____ newspapers before he became a famous inventor.

- a) sold
- b) had sold
- c) was selling
- d) had been selling

7. In my youth I _____ exercise every day.

- a) had taken
- b) took
- c) was taking
- d) had been taking

SECTION-C

Extract-Based Questions.

A. "Today Tommy found a real book!" It was a very old book. Margie's

grandfather once said that when he was a little boy his grandfather told him that there was a time when all stories were printed on paper.

Question 8: What did Tommy find?

- (a) a picture of a book.
- (b) a digital book.
- (c) a real old book.
- (d) a new book.

Question 9: Which days are recalled by Margie's grandfather?

- (a) when he was an infant.
- (b) when he was a little boy.
- (c) when he was an adult.
- (d) when he was getting married.

Question 10: What did the grandfather tell about the olden days?

- (a) All stories were printed on paper.
- (b) All stories were stored on the computer.
- (c) All children of the village went to one school.
- (d) Sentences were written on the walls.

Question 11: "Today Tommy found a real book" Where did Margie write this sentence?

- (a) in her notebook
- (b) in her diary entry
- (c) in her computer

(d) in her school book

Q.12

Margie always hated school, but now she hated it more than ever. The mechanical teacher had been giving her test after test in geography and she had been doing worse and worse until her mother had shaken her head sorrowfully and sent for the County Inspector.

A. What might be the reason for Margie's worsening performance in geography?

B: The extract implies that Margie's experiences with the mechanical teacher made her feel increasingly ____.

C: How might a different teaching method benefit Margie's learning?

Q 13 Describe the book that Tommy found in the attic.

Q 14 "What a waste!" What is Tommy referring to as a 'waste'? Is it really a waste?

Q 15 Why did Margie's mother send it to the County Inspector? Or Why did Margie's mother shake her head one day and send for the County Inspector?

Q 16 *"I shall be telling this with a sigh*

Somewhere ages and ages hence;

Two roads diverged in a wood, and I

I took the one less travelled by,

And that has made all the difference."

A.: What will the narrator tell "with a sigh"?

B.What is the theme of the poem?

(a) The theme of the poem is that we have to make choices in life, which prove to be final.

(b) The theme of the poem is that the choices we have to make in life can be undone later in life.

(c) The theme of the poem is that we can avoid making choices in life.

(d) The theme of the poem is that the choices we make in life make no difference to us in later life

C.What is the tone of the poet in the last stanza?

(a) A reflective tone

(b) A tone of sadness

(c) A tone of regret

(d) A tone of cheerfulness

Q 17 Why did Margie remark, “How could a man be a teacher”? Critically analyze the role and influence of a teacher in today’s times.

Q 18 Do you agree with Margie that schools today are more fun than the school in the story? Give reasons for your answer.

Q 19.

He won't do what you tell him.

So, come, let's build strong homes,

Let's joint the doors firmly.

Practise to firm the body.

Make the heart steadfast.

Do this, and the wind will be friends with us.

The wind blows out weak fires.

He makes strong fires roar and flourishes.

His friendship is good.

We praise him every day.

- (i) Why does the poet ask us to make strong houses?
- (ii) What should we do with our hearts and bodies?
- (iii) When will the wind be our friend?
- (iv) What is the effect of the wind on the fire?
- (v) Name the poem and the poet.

Q 20. Write down the summary of the chapters mentioned below :

- (a) The Lost Child
- (b) The adventures of Toto
- (c) Iswaran the Storyteller
- (d) In the kingdoms of fools
- (e) The Happy Prince

Q 21. Make a PPT (Powerpoint Presentation) mentioning ‘ Figure of speeches’ used in below mentioned poems :

- (a) The Road Not Taken
- (b) Rain on The Roof
- (c) No Men Are Foreign
- (d) On Killing a Tree

Note : (i) Any two poems of your choice .

(ii) Mention your name, school name and your subject teacher’s name in the PPT .

SECTION-D

Q.22. Write a short story in 150-200 words

Mr. Agrawal - - -wealthy businessman - - -one day - - -alone - - -sitting at his dining table- - - heard - - - footsteps - - - man behind - - - curtains- - -

SUBJECT- computer

1. Make a presentation on Methods of communication
 2. Make a presentation on Application of AI in Daily life
 3. Collect picture of smart devices to make smart home
 4. Develop a game stone paper scissor game using Java language
- How language translation apps works like Google translate

ग्रीष्मकालीन गृह कार्य. (सत्र-2025-26)

विषय: हिंदी, कक्षा - नवम्

1:- भक्ति कालीन कवियों का चित्र सहित चार्ट बनाइए तथा उनकी दो- दो कृतियां भी लिखिए ।

2:- गाँव भारत की आत्मा है। यहाँ की अधिकतर आबादी गाँव में बसती है। बैल और हल किसान की पूँजी होती है। पठित पाठ के आधार पर पशु और मनुष्यों का आपसी संबंध स्पष्ट करते हुए चित्र बनाइए।

3:- उपसर्ग और प्रत्यय का अभ्यास व्याकरण पुस्तक से करें ।

4:-भारत के किसी एक सुप्रसिद्ध लेखक की जीवनी तथा रचनाएं A4 सीट पर लिखकर प्रस्तुत करें ।

- 1 जीवन परिचय
2. पारिवारिक पृष्ठभूमि व गतिविधियाँ
3. साहित्यिक पृष्ठभूमि एवं साहित्यिक विशेषताएँ
4. हिन्दी साहित्य में स्थान
5. सम्मान व उपलब्धियाँ
6. रचनाएँ
7. पाठ्यक्रम में व णि त रचना के प्रमुख अंश
8. निष्कर्ष या उपसंहार

Note:- यह कार्य प्रोजेक्ट फ़ाइल में करें ।

सभी कार्य A4 सीट के लाइन वाले पेज पर करें ।

(Social sciences)

1. "Indian Democracy in Action"

Topic: Elections, Voting Rights, and Role of Citizens

Contents: Case studies of recent elections, importance of voting, voter turnout charts, mock election activity.

2. "Understanding Disasters and Their Management"

Topic: Disaster Management

Contents: Types of disasters (natural & man-made), impact analysis, disaster preparedness plans, role of government/NGOs.

3. "Life in the River Valley Civilizations"

Topic: Ancient Civilizations (History)

Contents: Features of Indus Valley, Mesopotamia, Nile Civilization; architecture, trade, writing systems, comparison charts.

4. "India's Climatic Regions"

Topic: Physical Features & Climate of India (Geography)

Contents: Climate zones, rainfall patterns, temperature maps, monsoon effects, agriculture linkages.

5. "The Role of Constitution in Our Daily Life"

Topic: Indian Constitution & Rights

Contents: Fundamental Rights, Duties, case laws, real-life examples of rights being protected/violated, interviews or surveys on awareness.

MATHEMATICS HOLIDAY HOMEWORK

Dear students

Learning is a beginning of wealth,

Learning is beginning of health,

Learning is beginning of spirituality.

Searching and learning is where the miracle process begins.

Holiday is a time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation, the holiday homework so designed by the mentors of the school is a medium for you all to achieve the motto of Fun and Learn.

NUMBER SYSTEM

Learning Outcomes

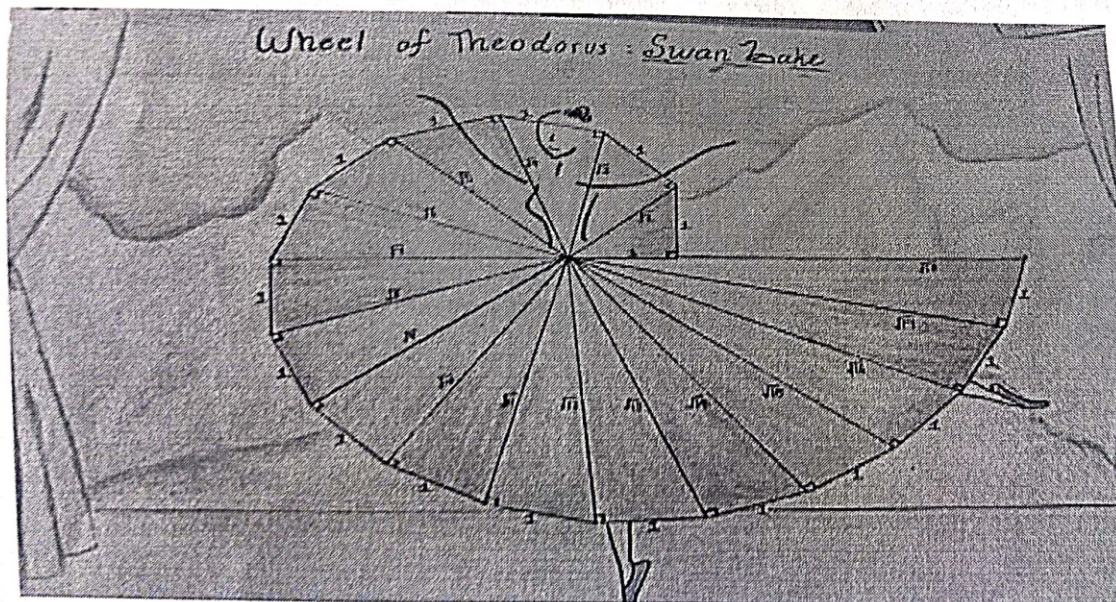
Students are able to

Represent real numbers on the number line

1. ACTIVITY -SQUARE ROOT SPIRAL

Instructions

- Represent $\sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5}, \sqrt{6}, \sqrt{7}, \dots$ in a continuous manner.
- A sample image for the spiral has been attached, use your creativity to create the square root spiral.



Heron's Formula

Learning Outcomes

Students are able to

- Know about the formula to calculate the area of a triangle
- Apply it in real life application.

2. ACTIVITY- Food Triangle

Instructions- Find the area of your favorite triangular shaped food.(Any 1)

Coordinate Geometry

Learning Outcomes

Students are able to

- Know About Famous Orissi Dance
- Recall the Cartesian coordinate system.
- Apply it in real life application.

Activity

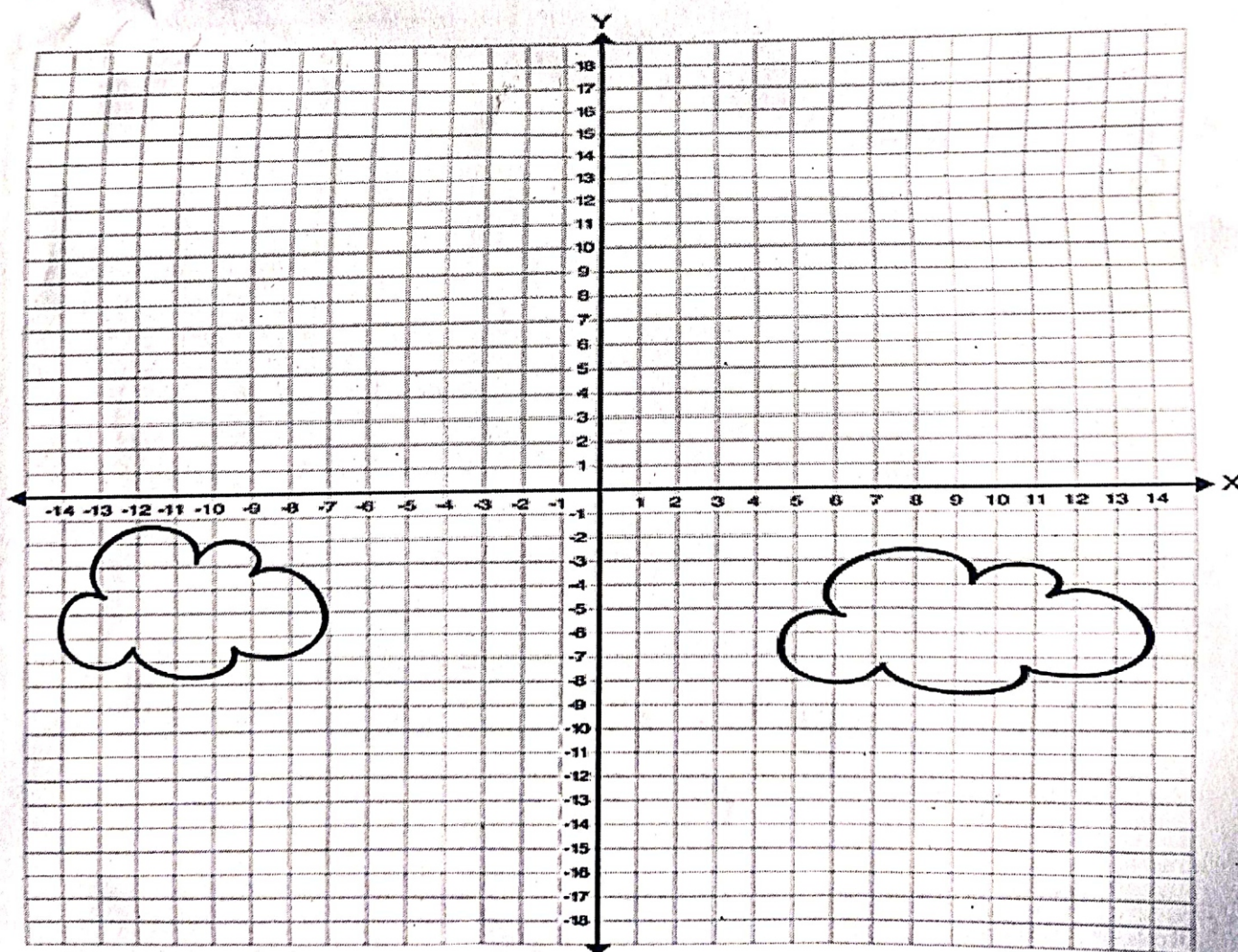
Read through the statement below. If you agree, circle the color in "Agree" column. If you disagree, circle the color in the "Disagree" column. Then connect the given points on the coordinate grid using the color you circled.

3. SUMMER PERSONALITY TEST

Statement	Agree	Disagree	Connect the points
I like Pastel Color	Yellow	Gray	$(-12, 6)$ and $(-12, 0)$
I like when the days get longer	Pink	Gray	$(-14, 7)$ and $(-14, 0)$
I Like when it rains	Blue	Gray	$(-9, -2)$ and $(-8, 3)$
I like when flower start to bloom	Pink	Gray	$(-13, 7)$ and $(-10, 14)$
I enjoy gardening	Yellow	Gray	$(-11, 4)$ and $(-9, 8)$
I enjoy going for walks in the sunshine	Yellow	Gray	$(-8, -10)$ and $(-6, 15)$
I think flying a kite is fun	Pink	Gray	$(-6, 17)$ and $(0, 18)$
I can spot 4-leaf clover	Green	Gray	$(-8, -4)$ and $(-7, 0)$
I like having a picnic	Yellow	Gray	$(0, 16)$ and $(2, 16)$
I like the smell of flowers	Pink	Gray	$(4, 17)$ and $(8, 16)$
I like seeing the trees become greener.	Green	Gray	$(-6, 5)$ and $(-4, 8)$
I enjoy hearing the birds sing	Blue	Gray	$(-7, 8)$ and $(-3, 12)$
I enjoy mowing the lawn	Green	Gray	$(-3, 9)$ and $(0, 10)$
I enjoy going to parks	Pink	Gray	$(11, 14)$ and $(12, 11)$

I like butterflies	Yellow	Gray	(5,14) and (6, 11)
I like basketball and cricket	Blue	Gray	(0, 13) and (2, 13)
I like to wear rubber boots	Blue	Gray	(7, 9) and (9,4)
I like playing in the mud.	Pink	Gray	(13, 7) and (14, 0)
I think baby ducks and chicks are cute.	Green	Gray	(2, 10) and (3, 9)
I enjoy cleaning.	Pink	Gray	(14, -1) and (14, -7)
I like the taste of honey.	Yellow	Gray	(10, 7) and (12, 0)
I like the sound of bees buzzing.	Yellow	Gray	(12, -2) and (12, -5)
I like the smell of freshly cut grass.	Green	Gray	(6, 6) and (8, 2)
I like to walk through buddies'	Blue	Gray	(10, 0) and (10, -4)
I like rainbows.	Green	Gray	(0, 8.5) and (9, -4)

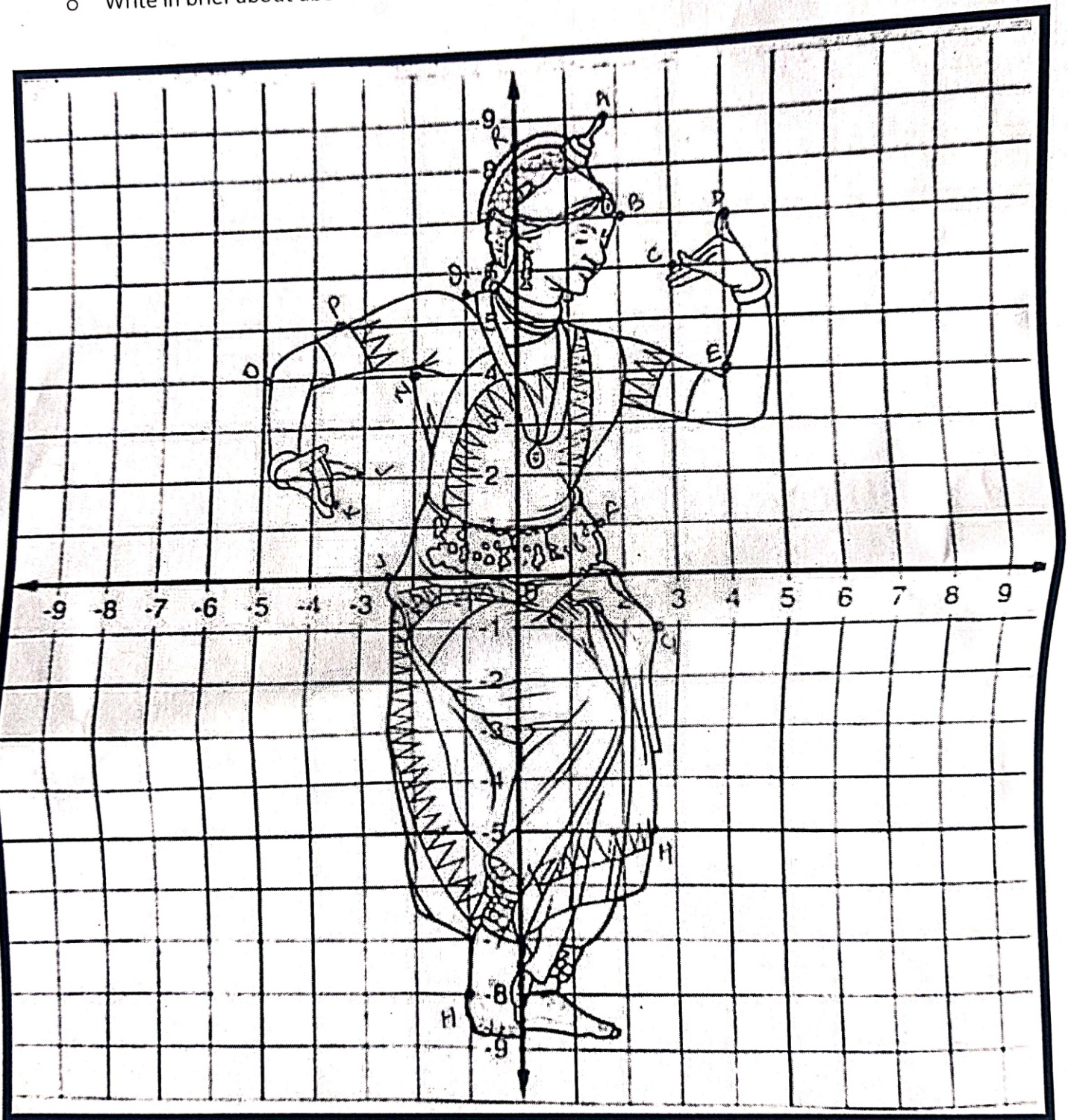
SUMMER PERSONALITY TEST



4. Instructions

During the summer vacations explore Famous dance of Odisha..

- Locate marked points in provided pictures.
- Write all marked points on a sheet of paper and segregate them as per different quadrants and axes
- Write in brief about above mentioned.



LINEAR EQUATION IN TWO VARIABLES

Learning Outcomes:

Students are able to:

- Recall term Linear equations in two variables.
- Draw Graph of Linear equations in two variables.

5. Instructions

- Draw the graph of following figures on the same graph paper.
- Find the area enclosed by different figures.
- Mention Sustainable Development Goal use in above graph.

Figure 1	$x = (-6), x = (-4), 2x+y = (-5), 2x-y = (-15), x\text{-axis}$
Figure 2	$x = (-3), y = 10, x\text{-axis and } y\text{-axis}$
Figure 3	$x = 1, x = 3, x = y - 4, x\text{-axis}$
Figure 4	$x = 6, x = 4, y = 3, x\text{-axis}$

Project- KNOW ABOUT STORY OF PI (π)

The number pi (π) is one of the most intriguing and significant constants in mathematics

Make a project on A4 size sheet in a creative manner about the story of pi which i emphasize the historical development and wide-ranging significance of pi in mathematics and beyond.

Worksheet

Heron's Formula

1. What is the length of each side of an equilateral triangle having an area of $4\sqrt{3}$ sq. cm?
2. What is the area of an equilateral triangle with side $\sqrt{3}/4$ cm?
3. The area of a rhombus is 96 cm^2 . If one of its diagonals is 16 cm, then find the length of its side.
4. Find the area of a rhombus whose perimeter is 200 m and one of the diagonals is 80 m.
5. The sides of a triangular park are in the ratio 3 : 5 : 7 and its perimeter is 300 m. Find its area and the length of perpendicular drawn on the biggest side.
6. Find the area of a triangle whose perimeter is 180cm and two of its sides are 80cm and 18 cm. Also calculate the altitude of the triangle corresponding to the shortest side.

Number System

1. Write two rational numbers between: a. $\sqrt{2}$ and $\sqrt{3}$ b. $-\frac{2}{5}$ and $\frac{1}{2}$
2. Write two irrational numbers between: a. $\sqrt{3}$ and $\sqrt{4}$ b. 2.2 and 2.3.
3. Represent $\sqrt{10}, \sqrt{17}, \sqrt{9.5}$ on a number line.
4. Arrange in ascending order $\sqrt[8]{90}, \sqrt[4]{10}, \sqrt{6}$.
5. Rationalize the denominator of each of the following :

a. $\frac{1}{1+\sqrt{2}-\sqrt{3}}$

b. $\frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}+\sqrt{2}-\sqrt{5}}$

6. Express the following in the form of rational number:

a. $2.\overline{34}$

b. $5.4\overline{5}$

c. $5.\overline{2} + 0.4\overline{5}$

7. If $x = \frac{\sqrt{2}-1}{\sqrt{2}+1}$ and $y = \frac{\sqrt{2}+1}{\sqrt{2}-1}$, find the value of $x^2 + y^2 + xy$.

8. If $\frac{\sqrt{11}-\sqrt{7}}{\sqrt{11}+\sqrt{7}} = x - y\sqrt{77}$, find the values of x and y where x and y are rational numbers.

9. Simplify: $\left[5 \left\{ \left(\frac{1}{8} \right)^{-\frac{1}{3}} + \left(\frac{1}{27} \right)^{-\frac{1}{3}} \right\} \right]^2 \frac{1}{4}$

10. If $a - 8\sqrt{5}b = \frac{8+\sqrt{5}}{8-\sqrt{5}} - \frac{8-\sqrt{5}}{8+\sqrt{5}}$, find a and b .

Coordinate Geometry

1. A point lies on y -axis at a distance of 2 units from the x -axis. Write its coordinates.
2. Which of the following points belong to x -axis?
A(3,-1), B(4,0), C(-2,0), D(0,3), E(-2,-1), F(-4,0), G(1,0)
3. A park in the shape of a quadrilateral ABCD with A(8,3), B(0,-1), C(-2,3) and D(6,7) is developed with flowers and green plants. Plot the points. Name the shape of the park. Will you support that green be developed in your city near the schools and hospitals? Give reasons.
4. What is the mirror image of the point (3,9) with respect to x -axis?
5. Plot the points A(3,0), B(3,3) and C(0,3) in a Cartesian plane. Join OA, AB, BC and CO.

Name the figure so formed and write its one property.

6. A point lies on x -axis at a distance of 9 units from y -axis. What are its coordinates? What will be its coordinates if it lies on y -axis at a distance of 9 units from x -axis?
7. The length of perpendiculars PM and PN drawn from a point P, on x -axis and y -axis are 3 and 2 units respectively. Find the coordinates of points P, M, and N.
8. Plot three points A, B and C which have same abscissa 4 but lie in I and IV quadrants and on x -axis respectively. Also plot mirror image of A in y -axis.

Linear equations in two variables

1. Is line $2x + y = 3$ passes from origin. Explain your answer.
2. Find the solution of linear equation $x + 2y = 8$ which represents a point on :
 - a. the x -axis
 - b. the y -axis
 - c. The line parallel to x -axis and at a distance of 3 units above it.
3. A lending library has a fixed charge for first three days and an additional charge for each day thereafter. Neetu paid Rs. 21 for a book kept for five days. Write a linear equation which satisfies this data. Draw the graph for the same.