

PM SHRI KENDRIYA VIDYALAYA MALKAPURAM
SUMMER VACATION HOLIDAY HOMEWORK
ENGLISH
CLASS IX

- All the questions given are compulsory.
- The homework has to be done in classwork notebook.
- Wish you a happy summer vacation.

Q1. Define any ten literary devices. Write two examples for each literary device from the poems/ prose in class-IX textbooks.

Q2. DESCRIPTIVE PARAGRAPH

You recently visited the Children's Park, a favourite place for all children, in your city. Write a description of the park in about 100-150 words.

Q3. Write the summary of :

- The Sound of Music
- Wind
- The Adventures of Toto.
- The little girl
- Iswaran the storyteller

Q4. Write a diary entry in 100-120 words explaining how you plan to spend your summer vacations.

Q5. Recently you read a report on increasing stress level among the younger generation and you are very disturbed with the scenario. You decide to write a letter to the Editor of a newspaper expressing your concern and also about some measures which can be adopted by the youth to overcome stress. On the basis of the ideas reflected in the daily life and your own understanding write the letter to the editor.

Q5. Fill in the blanks using the correct option:

i) When I reached the airport, the aeroplane _____.

- a) Leave b) left c) is leaving d) had left

ii) Ramya said that he _____ to clean the house every Sunday.

- a) like b) likes c) is liking d) liked

iii) She _____ on a new project yesterday.

- a) was working b) is working c) has worked d) works

iv) As soon as she _____ I told her the news.

- a) arrived b) arrives c) arrive d) is arriving

PM SHRI Kendriya Vidyalaya Malkapuram

Class: 9 (2025-26) | Subject: Social Science

Summer Holidays Homework

Instructions:

Attempt all questions neatly in your Social Science notebook. The Art-Integrated Activity should be done separately on one A4 size sheet.

1. Write a short note on the causes of the French Revolution. Mention any 3 important events during the revolution.
2. Prepare a comparative table showing the factors of production used by small and large farmers in the Story of Village Palampur.
3. Explain the main features of democracy. Why is democracy considered the best form of government?
4. Write a short paragraph on the strategic location of India. Also, mention its latitudinal and longitudinal extent.
5. Create a flowchart showing how democratic governments are elected and how they function at different levels in India.

Art-Integrated Activity (To be done on A4 size sheet):

Design a creative and colourful map-based poster showing India's geographical location. Include the Tropic of Cancer, Indian Ocean, neighboring countries, and key states. Decorate it with symbols, compass, and a suitable title.

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HOLIDAY HOMEWORK FOR SUMMER VACATION 2025

CLASS- IX SUBJECT- MATHS

PART-A(PRACTICE QUESTIONS)

**CHAPTER-1
NUMBER SYSTEMS**

- Express the following in $\frac{p}{q}$ form:
(i) $4.\overline{26}$ (ii) $0.\overline{018}$ (iii) $0.2737373.....$
- Find six rational numbers between $\frac{3}{4}$ and $\frac{1}{5}$.
- Find three irrational numbers between $\frac{3}{7}$ and $\frac{8}{9}$.
- Represent the following on the number line and give justification for your construction:
(i) $\sqrt{3}$ (ii) $\sqrt{5}$ (iii) $\sqrt{10}$ (iv) $\sqrt{17}$

ASSERTION REASONING QUESTIONS)

DIRECTION: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- Both assertion(A) and reason(R) are true and reason(R) is the correct explanation of assertion(A).
- Both assertion(A) and reason(R) are true but reason(R) is not the correct explanation of assertion(A).
- Assertion(A) is true but reason(R) is false.
- Assertion(A) is false but reason(R) is true.

1. **Assertion:** 5 is a rational number.

Reason: The square roots of all positive integers are irrationals.

2. **Assertion:** $\sqrt{7}$ is an irrational number.

Reason: A number is called irrational, if it cannot be written in the form p/q , where p and q are integers and $q \neq 0$.

3. **Assertion:** 0.329 is a terminating decimal.

Reason: A decimal in which a digit or a set of digits is repeated periodically, is called a repeating, or a recurring, decimal.

4. **Assertion:** $7^8 \div 7^5 = 7^3$

Reason: If a be any real number and p and q are rational numbers, then

$$a^p \times a^q = a^{p+q}$$

BASICS MATHEMATICS

FILL IN THE BLANKS

1. _____ is the additive identity and _____ is the multiplicative identity of integers.
 2. $(-1) \times$ even number of times = _____
 3. $(-1) \times$ odd number of times = _____
 4. $38 \div 0 =$ _____
 5. $0 \div 11 =$ _____
 6. $13 \div 1 +$ _____
 7. $55 +$ _____ = 0
 8. $(-31) +$ _____ = 0
 9. $(-55) +$ _____ = -89
 10. $(-33) +$ _____ = 79
 11. $1000 +$ _____ = - 1000
 12. $[(-7) + 9] + (\text{_____}) = 9 + [-7 + 4]$
 13. $(-6) + 2 = 2 (\text{_____})$
 14. $251 \div$ _____ = 1
 15. $(-70) \div$ _____ = 5
 16. _____ $\div 993 = 0$
 17. _____ $\div 2395 = 1$
 18. $(-3589) \div$ _____ = -1
 19. $22 \div$ _____ = -11
 20. $(-1) \times (-1) \times (-1) \times (-1) \times (-1) =$ _____
-

I ANSWER THE FOLLOWING :

1. Verify $a - (-b) = a + b$ for the following values of a and b.
i) $a = -17$ $b = +15$ ii) $a = 50$ $b = 21$
 2. Write a negative integer and a positive integer whose
a) sum -9 b) difference -4 c) sum 0
 3. Find the value of each of the following products
i) $(-3) \times 15$ ii) $4 \times (-13)$ iii) $(-23) \times (-31)$
iii) $(-3) \times (-2) \times 7$ v) $2 \times (-3) \times (-1) \times (-5)$ vi) $(-259) \times (-51) \times 0$
vii) $(-8) \times 2 \times (-3) \times 5 \times (-1)$
viii) $(-2) \times (-4) \times 0 \times (-6) \times (-8)$
ix) $(-5) \times (-3) \times (-4) \times (-6) \times (-7)$
 4. Verify the following
i) $(-25) \times [(-7) + (-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$
ii) $(-7) \times [(-8) + 9] = [(-7) \times (-8)] + [(-7) \times 9]$
 5. Write down a pair of integers whose
i) sum is -6 ii) difference -8
iv) difference 3 iv) sum 0
 6. Find the value of each of the following
i) $39 \div (-13)$ ii) $(-729) \div 9$ iii) $(-144) \div (-12)$
iv) $(-20000) \div (-200)$ v) $20513 \div (-1)$
v) $(-49) \div [(-48) + (-1)]$ vii) $[84 \div (-12)] \div 7$
vi) viii) $[(-10) + 5] \div [20 + (-15)]$
-

PART-B(LAB ACTIVITY)

Complete given activities in LAB MANUAL.

Constructing the “Square Root Spiral”

NOTE:

(i) The above practical is to be written from the last page of this PDF except the figures. You will draw your own spiral.

(ii) It is mandatory to fill the observation otherwise practical will not be considered as complete.

Activity 1

OBJECTIVE

To construct a square-root spiral.

MATERIAL REQUIRED

Coloured threads, adhesive, drawing pins, nails, geometry box, sketch pens, marker, a piece of plywood.

METHOD OF CONSTRUCTION

1. Take a piece of plywood with dimensions 30 cm × 30 cm.
2. Taking 2 cm = 1 unit, draw a line segment AB of length one unit.
3. Construct a perpendicular BX at the line segment AB using set squares (or compasses).
4. From BX, cut off BC = 1 unit. Join AC.
5. Using blue coloured thread (of length equal to AC) and adhesive, fix the thread along AC.
6. With AC as base and using set squares (or compasses), draw CY perpendicular to AC.
7. From CY, cut-off CD = 1 unit and join AD.

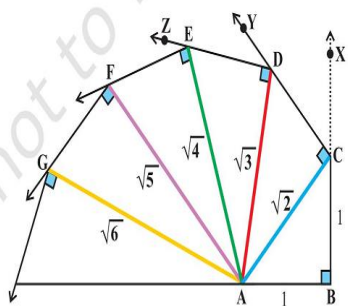


Fig. 1

8. Fix orange coloured thread (of length equal to AD) along AD with adhesive.
9. With AD as base and using set squares (or compasses), draw DZ perpendicular to AD.
10. From DZ, cut off DE = 1 unit and join AE.
11. Fix green coloured thread (of length equal to AE) along AE with adhesive [see Fig. 1].

Repeat the above process for a sufficient number of times. This is called “a square root spiral”.

DEMONSTRATION

1. From the figure, $AC^2 = AB^2 + BC^2 = 1^2 + 1^2 = 2$ or $AC = \sqrt{2}$.
 $AD^2 = AC^2 + CD^2 = 2 + 1 = 3$ or $AD = \sqrt{3}$.
2. Similarly, we get the other lengths AE, AF, AG, ... as $\sqrt{4}$ or 2, $\sqrt{5}$, $\sqrt{6}$

OBSERVATION

On actual measurement

AC =, AD =, AE =, AF =, AG =

$\sqrt{2} = AC = \dots\dots\dots$ (approx.),

$\sqrt{3} = AD = \dots\dots\dots$ (approx.),

$\sqrt{4} = AE = \dots\dots\dots$ (approx.),

$\sqrt{5} = AF = \dots\dots\dots$ (approx.)

APPLICATION

Through this activity, existence of irrational numbers can be illustrated.

PART-C (ART INTEGRATED PROJECT)

* Using square root spiral draw any drawing on $\frac{1}{4}$ th chart paper.

[https://www.youtube.com/watch?v=ID3vT3xPHas&t=14](https://www.youtube.com/watch?v=ID3vT3xPHas&t=14s)

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USEFUL LINK: <https://youtu.be/3kIgX9PiJuI>



PM SHRI KENDRIYA VIDYALAYA MALKAPURAM

SUMMER HOLIDAY HOMEWORK (2025-26)

SUBJECT : SCIENCE

CLASS : 9

1. Write down the difference between distance and displacement.
2. Write down the difference between speed and velocity.
3. With the help of graph, explain uniform motion and non- uniform motion.
4. With the help of graph, explain uniform acceleration and non- uniform acceleration.
5. Write an activity for the determination of melting point of ice.
6. Write an activity for the determination of boiling point of water.
7. Draw the diagram of plant cell and animal cell.
8. Write a short note on healthy eating and reduced oil consumption.
9. Art integrated project - Write a report on flora and fauna of Punjab.

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- (3) □□□□□□□ □□□□□
- (4) □□□□ □□□ -□□□, □□□□ □□□
- (5) □□□□□□□□ □□□□□□□□ -□□□□□ □□□□□
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