



A Global CBSE Affiliated English Medium Co-Ed. School

SUMMER

HOLIDAY HOMEWORK

CLASS - VII



Name:

Class:



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प्रकाशमय कल के लिए

Maths

Theme: "Maths Around Us"

- Instructions

Complete all activities neatly in an activity notebook or A4 sheets.

Use colours, charts, and pictures wherever possible.

Write all calculations clearly.

Submit your work after holidays.

Activity 1: Maths in My Home

Observe your home and list objects having different shapes.

Example:

Object Name.	Shape.	Number of Sides/Edges
1. A flat surface of a book.	Rectangle	4
2. A coin.	Circle	1
3. A slice of pizza.	Circle	1
4. A ball.	Sphere	0
5. A cube.	Cube	12
6. A pyramid.	Pyramid	8
7. A cylinder.	Cylinder	2
8. A cone.	Cone	1
9. A sphere.	Sphere	0
10. A rectangular prism.	Rectangular Prism	12
11. A triangular prism.	Triangular Prism	9
12. A square.	Square	4
13. A circle.	Circle	1
14. A triangle.	Triangle	3
15. A rectangle.	Rectangle	4
16. A diamond.	Rhombus	4
17. A hexagon.	Hexagon	6
18. An octagon.	Octagon	8
19. A sphere.	Sphere	0
20. A cylinder.	Cylinder	2
21. A cone.	Cone	1
22. A cube.	Cube	12
23. A rectangular prism.	Rectangular Prism	12
24. A triangular prism.	Triangular Prism	9
25. A sphere.	Sphere	0
26. A cylinder.	Cylinder	2
27. A cone.	Cone	1
28. A cube.	Cube	12
29. A rectangular prism.	Rectangular Prism	12
30. A triangular prism.	Triangular Prism	9
31. A sphere.	Sphere	0
32. A cylinder.	Cylinder	2
33. A cone.	Cone	1
34. A cube.	Cube	12
35. A rectangular prism.	Rectangular Prism	12
36. A triangular prism.	Triangular Prism	9
37. A sphere.	Sphere	0
38. A cylinder.	Cylinder	2
39. A cone.	Cone	1
40. A cube.	Cube	12
41. A rectangular prism.	Rectangular Prism	12
42. A triangular prism.	Triangular Prism	9
43. A sphere.	Sphere	0
44. A cylinder.	Cylinder	2
45. A cone.	Cone	1
46. A cube.	Cube	12
47. A rectangular prism.	Rectangular Prism	12
48. A triangular prism.	Triangular Prism	9
49. A sphere.	Sphere	0
50. A cylinder.	Cylinder	2
51. A cone.	Cone	1
52. A cube.	Cube	12
53. A rectangular prism.	Rectangular Prism	12
54. A triangular prism.	Triangular Prism	9
55. A sphere.	Sphere	0
56. A cylinder.	Cylinder	2
57. A cone.	Cone	1
58. A cube.	Cube	12
59. A rectangular prism.	Rectangular Prism	12
60. A triangular prism.	Triangular Prism	9
61. A sphere.	Sphere	0
62. A cylinder.	Cylinder	2
63. A cone.	Cone	1
64. A cube.	Cube	12
65. A rectangular prism.	Rectangular Prism	12
66. A triangular prism.	Triangular Prism	9
67. A sphere.	Sphere	0
68. A cylinder.	Cylinder	2
69. A cone.	Cone	1
70. A cube.	Cube	12
71. A rectangular prism.	Rectangular Prism	12
72. A triangular prism.	Triangular Prism	9
73. A sphere.	Sphere	0
74. A cylinder.	Cylinder	2
75. A cone.	Cone	1
76. A cube.	Cube	12
77. A rectangular prism.	Rectangular Prism	12
78. A triangular prism.	Triangular Prism	9
79. A sphere.	Sphere	0
80. A cylinder.	Cylinder	2
81. A cone.	Cone	1
82. A cube.	Cube	12
83. A rectangular prism.	Rectangular Prism	12
84. A triangular prism.	Triangular Prism	9
85. A sphere.	Sphere	0
86. A cylinder.	Cylinder	2
87. A cone.	Cone	1
88. A cube.	Cube	12
89. A rectangular prism.	Rectangular Prism	12
90. A triangular prism.	Triangular Prism	9
91. A sphere.	Sphere	0
92. A cylinder.	Cylinder	2
93. A cone.	Cone	1
94. A cube.	Cube	12
95. A rectangular prism.	Rectangular Prism	12
96. A triangular prism.	Triangular Prism	9
97. A sphere.	Sphere	0
98. A cylinder.	Cylinder	2
99. A cone.	Cone	1
100. A cube.	Cube	12

Wall Clock. Circle. 0

Window. Rectangle. 4

Find at least 10 objects.

Activity 2: Fraction Pizza

Make a paper pizza and divide it into fractions.

Example:

1/2 cheese pizza

1/4 tomato pizza

1/8 onion pizza

Paste the pizza model and write:

Which fraction is greatest?

Which fraction is smallest?

Activity 3: Symmetry Art

Create a colourful rangoli or butterfly design showing:

- Line Symmetry
- Rotational Symmetry

Paste or draw neatly.

Activity 4: 3D Shape Model

Make any two-model using waste material:

- Cube
- Cylinder
- Cone
- Pyramid

Write:

- Number of faces
- Edges
- Vertices

Activity 5: Math's in Nature

Paste pictures from newspapers/magazines showing maths in nature:

- Honeycomb

Use colored pencils.

3. Activity Work

Water Conservation Activity

Observe your home for 3 days and write:

How water is wasted?

How water can be saved?

Make a table with observations.

Brain teaser

- I. Why does this chain of turmeric turn red on applying soap to it?
- II. Hari is suffering from vitamin C deficiency. Which acid should be included in his diet to recover fast? Name the source of this acid.
- III. Hydrochloric acid is produced in the stomach to assist digestion. All acids are corrosive in nature. How does the stomach prevent damage to its tissues from the acid secreted?
- IV. Write the names of following salts:-
Na₂SO₄
CaCO₃
NH₄Cl
CH₃COONa

SOCIAL SCIENCE

1. Why do wet clothes take more time to dry in Mumbai compared to New Delhi?
2. Prepare a weather report. Record the daily minimum and maximum temperatures of the place where you live. Calculate the mean daily temperature and the weekly temperature range.
3. Prepare a wind vane and install it at the entrance of your house, on the terrace, and on the balcony. Using it, determine the wind direction at each location. Finally, identify the best site for installing the wind vane and justify your choice.
4. Draw and colour a scene depicting any one natural disaster, such as a cyclone, flood, landslide, drought, or forest fire, on a chart paper. Show the damage caused to life and property. Also, prepare a table listing the steps that can be taken to reduce the impact of the disaster.
5. Mark the states and capital on the blank political map of India.
6. Why is southern part of India called Peninsula?

हिंदी अवकाश गृहकार्य

1. अपने परिवार के किसी बड़े सदस्य (दादी, नाना, मम्मी आदि) से उनके बचपन के बारे में बातचीत करें और लिखें:
उनके समय का स्कूल
खेल
छुट्टियाँ कैसे बिताते थे
कोई मजेदार घटना

साथ में उनका छोटा चित्र या फोटो लगाएँ।

2. मेरी कॉलोनी / मेरा गाँव

अपने आसपास के क्षेत्र का वर्णन करें:

विशेषताएँ

लोग

बाजार

पार्क

त्योहार

रंगीन चित्र या नक्शा बनाइए।

3. हिंदी लोकगीत संग्रह

अपने घर के बड़ों से कोई:

लोरी

लोकगीत

दोहा

कहावत

जानकर लिखिए और उसका अर्थ भी लिखें।

उदाहरण:

“करत-करत अभ्यास के जड़मति होत सृजान।”

4. . त्योहार विशेष परियोजना

किसी एक भारतीय त्योहार पर परियोजना बनाइए:

इतिहास

महत्त्व

रीति-रिवाज

पहनावा

भोजन

चित्र और सजावट अवश्य करें।

5. हस्तलिखित कविता संग्रह

6. स्वयं की कविताएँ लिखिए:

बारिश

मित्रता

देशभक्ति

प्रकृति

सुंदर बॉर्डर और चित्र बनाइए।

7. .संवाद लेखन

निम्न विषयों पर संवाद लिखिए:

मोबाइल और विद्यार्थी

पेड़ और इंसान
पुस्तक और टीवी

Computer

Q 1. Computational thinking (2 Tasks) Do on A3 sheet

- a) What is an algorithm? Write an algorithm to make pasta
b) What is Decomposition? Give two examples of decomposition in daily life situations?

Q 2. Artificial Intelligence (2 Tasks)

- a) Define Artificial Intelligence. Mention any two real-life applications of AI.
b) Creative Work (1 Task)

Creative Poster:

Design a poster on "Future with AI and Computers".

Q 3. Activity based Task:

- Make a colorful wheel chart showing conversion between binary, Octal, Decimal and Hexadecimal number system
- Write any 10 rules for safe internet use.

Example:

Never share passwords.

Do not talk to strangers online.

Decorate with symbols and colors.

Holiday

Q1. Make a “World Wonders” Scrapbook

Collect pictures and write 4–5 lines about the 7 Wonders of the World.

Q2. Prepare a Country Fact File

Choose any 5 countries and write about:

Capital

Currency

Famous food

National animal

One interesting fact

Q3.Current Affairs Diary

Read newspapers for 10 days and write 2 important news headlines daily.

Q4.Quiz Creation Activity

Make a quiz of 10 G.K. questions with answers from topics like sports, science, India, and inventions.

Sanskrit

1. संस्कृत शब्दावली वृक्ष (Vocabulary Tree)

Draw a big tree chart.

Write 20 Sanskrit words related to:

Fruits

Animals

Colours

Family members

Paste/draw pictures with each word.

Example:

फलम् – Mango

सिंहः – Lion

2. My Daily Routine in Sanskrit

Write 8–10 lines about your daily routine in Sanskrit with pictures.

Example:

अहं प्रातः उत्तिष्ठामि।

अहं विद्यालयं गच्छामि।

3. Sanskrit Conversation Activity

Write a small dialogue (5–6 lines) between two friends in Sanskrit.

Example topics:

विद्यालये

उद्याने

गृहकार्यं

4. संस्कृत श्लोक सजावट

Learn any one Sanskrit shloka.

Write it neatly on an A4 sheet.

Decorate with borders and drawings.

Also write its Hindi meaning.

Suggested shlokas:

विद्या ददाति विनयम्

गुरुर्ब्रह्मा गुरुर्विष्णुः

5. Picture Identification Activity

Paste/draw any 10 pictures and write their Sanskrit names.

Example:

कमलम्

पुस्तकम्

गजः

ACTIVITY TIME

Integrated Activity (All Three Themes)

"World Environment day, Yoga day, Father's day"

Students need to prepare a single A4 scrapbook page containing:-

1. A Father's Day message and an interview with your father.
Ask questions about his childhood ,hobbies ,movies, sports,places, interests and friends etc.
2. Celebrate Yoga with your parents &family members.
3. Take an environmental pledge with your family members after tree plantation in near by area.
Create a video of all these activities and share with your class teacher.