

ACTIVE ENGAGEMENT OF STUDENTS IN DIFFICULT TIMES

DEAR PARENTS,

In the difficult times of the COVID-19 outbreak which demands immediate protection and hygiene, the school remains closed for the students as a precautionary measure. To keep the children actively engaged, we have designed assignments/ worksheets enabling them to utilize their time effectively and judiciously. We request you to kindly ensure that the students complete the assignments for their fruitful engagement.

We also request you to kindly abide by the guidelines issued by the government on COVID-19 to stay safe and healthy.

ENGLISH

Q1) Write one article on any of the following topics which may be published in Annual School magazine.

- Article Writing (Scientific / factual / descriptive / literary)
- Self composed poem.

Q2) Based on the picture given below write a short story in about 100 words with a catchy title of the story.



3. Design a jersey for your favorite sports team. Create a design for the front as well as back. Remember to include the following points in your design:

- Name of the player
- Jersey number
- Name of the team
- Logo of the sport association/club
- Name of the country

4. Create your own Dictionary-

Find out new words from the newspaper. Paste the word . write its meaning ,synonym & antonym

(Work should be done on A-4 size sheets-folder)

MATHEMATICS

CLASS VI

- Try Chapter 1 : Ex 1.1, 1.2, 1.3 from NCERT

- **SYMMETRY AROUND US:**

Paste the cutout of alphabets, 2 symmetrical and 2 non-symmetrical objects from your daily life and draw their line of symmetry. (Do it on an A-3 size coloured sheet/ cardboard)

- Prepare a wall hanging using Mandala Art (based on the concept of co-centric circles) (roll no 1 – 13)
- Prepare a wall hanging using the concept of symmetry (roll no 14 – 26)
- Prepare a chart on various 3-dimensional shapes like cube, cuboid, cylinder, cone, sphere etc. Also mention their faces, edges and vertices (roll no 26 onwards)

Note : Innovative ideas will be rewarded. The creative work would be selected for Maths Exhibition.

- Write activity 1-5 given below in Maths Lab File on rules side.

ACTIVITY 1

OBJECTIVE : To verify that addition is commutative for whole numbers using graph paper

Materials Required: Graph paper, scissors, glue

Pre-Requisite Knowledge: Knowledge of commutative property for addition i.e. $a+b=b+a$.

Procedure: Let us assume that we have to verify that $3+4=4+3$

1. Take the squared paper and cut two strips each of 3×1 and 4×1 .
2. Colour both the strips with different colours and paste them adjoining each other.
3. Now count the total number of squares.
4. Repeat the above step with the second set of strips.

Observation: We observe that the number of unit squares covered in both the cases is same, i.e. _____

Thus _____ + _____ = _____ + _____

Conclusion: Therefore this activity verifies the _____ law for the addition of whole numbers.

ACTIVITY 2

OBJECTIVE: To verify that multiplication is commutative for whole numbers, using graph paper

Material Required: Graph paper, scissors, glue

Pre-Requisite Knowledge:

- Concept of whole number
- Concept of multiplication

Procedure:

1. Let us assume that we have to verify that $2 \times 3 = 3 \times 2$.
2. Cut two strips of 2×3 out of square paper or graph paper.
3. Colour both the strips with different colours and paste one of them vertically and count the number of boxes.
4. Paste the other strip horizontally and count the number of boxes.

Observation: We observe that the number of unit squares covered in both the cases is same, i.e. _____

Thus $\underline{\quad} \times \underline{\quad} = \underline{\quad} \times \underline{\quad}$

Conclusion: Therefore this activity verifies the _____ law for the multiplication of whole numbers.

ACTIVITY 3

OBJECTIVE : To find the L.C.M. of given numbers using number grid.

Material Required: Graph paper, Scissors, Sketch pens.

Pre-Requisite Knowledge:

- Concept of L.C.M.
- Concept of multiples of a number.
- Method of finding multiples.

Procedure:

1. Suppose we have to find the L.C.M. of 3, 4, 6
2. Make a grid of 10 cm X 10 cm on a graph paper and write numbers from 1 to 100.
3. Using marker pen do the following-
 - Encircle the multiples of 3 with red sketch pen.
 - Encircle the multiples of 4 with blue sketch pen.
 - Encircle the multiples of 6 with green sketch pen.

Observation:

- We observe that:

1. Numbers which are encircled with red, blue and green sketch pen are the multiples 3,4,6.
2. Common multiples of 3,4,6 are _____
3. The smallest common multiples is _____

Conclusion: Hence the L.C.M. is _____

ACTIVITY 4

OBJECTIVE: To identify different parts of circle by paper folding.

Material Required: coloured papers, white paper, scissors, fevicol, a compass, coloured pens.

Pre-Requisite Knowledge:

- Concept of chord, diameter, segment and sector.
- Skill of drawing a circle.

Procedure:

1. Take four different coloured papers and draw circle of any radius on each paper using a compass or a circular object.
2. Cut the circular parts of coloured papers with a pair of scissors.
 - a. Take two points A and B on the circumference of one of the cut out circle.
 - b. Fold the paper along AB and press it to get a crease along AB.
 - c. Unfold the paper, the crease so formed along AB is called the **chord** of a circle.
3. a. Take another cut out circle and fold it into two halves. Press the fold to get a crease.
 - b. The crease so formed is a **diameter** of the circle.
4. a. Take next cut out circle and mark two points A and B on the circumference.
 - b. Fold the chart paper along AB and press it to get a crease along AB.
 - c. Shade the two parts of circle with different colours say blue and red.
 - d. Smaller portion (blue colour) of the circle is **minor segment** and larger portion (red colour) of the circle is **major segment**.
5. a. Take next cut out circle and fold the circle into two halves. Press the fold to get a crease.
 - b. Unfold the crease and draw a line on the crease so formed. Name it AB.
 - c. Now fold the paper along the diameter AB in such a way that point B coincides with point A. Press the fold to get a crease.
 - d. Unfold the paper and draw a line on the crease so formed. Name it as CD.
 - e. Mark the point of intersection of crease AB and CD as 'O'.
 - f. The portion AOC is a sector of circle. Shade it with green colour.

Observation and conclusion:

- We observed that: _____

ACTIVITY 5

OBJECTIVE: To make different geometrical shapes by using set squares.

Material required: different coloured papers, geometry box, fevicol, scissors.

Pre-Requisite knowledge:

- Concept of geometrical figures as squares, rectangles, parallelogram, trapezium etc.

Procedure:

1. Cut two 45° , 45° , 90° set square size red coloured paper by placing them on a paper and paste them on white paper and name them as ABCD.
2. Cut two 30° , 60° , 90° , set square size green coloured paper by placing them on a paper and paste them on white paper and name the figure as PQRS.
3. Cut two 45° , 45° , 90° or 30° , 60° , 90° set square size blue coloured paper by placing them on a paper and paste them on white paper and name the figure as EFGH.
4. Cut three 30° , 60° , 90° set square size yellow coloured paper by placing them on a paper and paste them on white paper and name the figure as LMNO.

Observation and conclusion:

- Figure 1 is _____
- Figure 2 is _____
- Figure 3 is _____
- Figure 4 is _____

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कक्षा 6

विषय हिन्दी (अवकाश कार्य)

- (1) सप्ताह में तीन सुलेख कीजिए
- (2) घास के तिनको , उन आदि की सहायता से चिड़िया का कृत्रिम घोंसला तैयार कीजिए ।
- (3) अपने घर के सबसे बुजुर्ग व्यक्ति का परिचय लिखिए तथा उनका चित्र भी चिपकाइए ।
- (4) कविता ' वह चिड़िया जो ' कंठस्थ करे ।

S.ST

CLASS 6

- ❖ Prepare a project on your favourite state of India. Elaborate upon the given points-climate, population, Chief Minister, language, food, clothing, handicrafts, tourist crafts etc. **(TO BE DONE ON A4 SIZE SHEETS-FOLDER)**
- ❖ Imagine 10 million years ago there was another planet in our solar system that had life on it, what might it have been like? Write an essay.
 - Where was it located?
 - What was the atmosphere like?
 - What was the surface of the planet like?
 - Describe the climate, size, orbit etc. **(TO BE DONE ON A4 SIZE SHEETS- FOLDER)**
- ❖ Research about Ashoka- the Great Warrior and his life. Prepare a file with A4 sheets describing Ashoka's life. It should include about his early life, the war of Kalinga, its impact on his life and later life.
- ❖ On a map of India, mark all the states and their capitals. On a map of world, mark all the continents. Paste the maps on a A4 aize sheet and attach it in your folder.
- ❖ Different people have different perspective on the topic of elections. You might have observed people expressing their views during the recent Delhi elections. People talk about their choices, whom they want to elect and why, their views on current ruling parties, etc. Make a comic strip of people alongwith dialogues talking about their views on elections.
- ❖ MODEL MAKING
 - Solar system using paper-mache technique. (roll no 1-15)
 - Globe using paper-mache technique. (roll no 16-30)
 - Different landforms model on a flannel board.

(mountains, plateau, plains and peninsula) (roll no 31-45)

Computer

- 1) Design a poster on any topic of your choice related to computer for your computer lab on a thick chart paper.
- 2) Create a PowerPoint presentation on “**Famous Personalities of the computer Industry**” using all the features of PowerPoint software and mail to: crpfcomputer.project@gmail.com

SCIENCE

- ❖ To collect and paste three samples each of tap and fibrous roots.
- ❖ To collect and paste three samples each of different leaves showing reticulate and parallel venation.
- ❖ Collect and paste different kinds of fabric and identify them and segregate them into natural or synthetic fibres.

(ABOVE THREE QUESTIONS TO BE DONE ON A4 SHEETS-FOLDER)

- ❖ To make models on following topics :
 - a. Roll no. 1 to 5 : Pin hole camera
 - b. Roll no. 6 to 10 : Periscope
 - c. Roll no. 11 to 15 : Torch
 - d. Roll no. 16 to 20 : model of water cycle on a flannel board
 - e. Roll no. 21 to 25 : rain water harvesting
 - f. Roll no. 26 to 30 : balloon powered car
 - g. Roll no. 31 to 35 : game (making use of magnet)
 - h. Roll no. 36 to 40 : game (making use of electric circuit)

- ❖ Research and find data of the past year about the pollution levels of three different cities of India. Compare the pollution levels of these three cities and prepare a file on it. (It should include the air quality index of the cities, cause of pollution, effects of pollution and steps taken to reduce the level of pollution).

- ❖ Pandemic disease are those which are prevalent over a whole country or the world. It is the highest level of global health emergency and signifies widespread outbreaks affecting multiple regions of the world. The COVID-19 is one of the pandemic disease. Collect the newspaper articles on this disease and make a collage of it on a A3 size sheet. The articles should include the precautions, visualisations, data of different countries, etc.