

SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

DIWALI & CHHATT PUJA HOLIDAY HOME-WORK & PROJECT WORK-2021

CLASS/SEC-VIII/A

C/T- Mr. MANOJ KR. PANDEY

SUBJECT- ENGLISH

English reader: learn all the questions and answers of the chapter The Case of Sharp -Eyed Jeweller, The Children Song and The Luncheon

2. Imagine yourself to be the young lady. Write a diary entry relating how the jeweller's vigilant assistant foiled your well made plan to steal the ring.

English practice: learn the chart of subordinate linkers .see page 78

Do WorkSheet :4 ,5 and 7 of the chapter Linkers.

English project: Make A Voice chart in a chart book giving every detail informations.

SUBJECT-MATHS

CHAPTER -6 COMPOUND INTEREST

Work Sheet (1)

Q(1) Find the compound interest on ₹ 25,000 at the rate of 12% per annum for three years?

Q(2) Monika borrowed ₹ 4096 from Shalini for three years at $6\frac{1}{4}\%$ *per annum* .Find the amount and the compound interest paid by her to Shalini after three years if the interest is compounded annually.

Work Sheet(2)

Q(4) Find the difference between the compound interest on ₹ 25,000 at 16% per annum for six months compounded half- yearly and quarterly respectively. Which option is better?

Work Sheet (3)

Q(15) The difference between the compound interest and the simple interest on a certain sum of money at 15% per annum for three years is ₹ 283.50. Find the sum.

QUESTIONS BASED ON GROWTH AND DEPRECIATION

Work Sheet (4)

Q(3) Madhu bought a house for ₹ 1,31,25,000.If its value depreciates at the rate of 10% per annum, what will be its sale price after three years?

Q(5) The population of a town is 64,000. If the annual birth rate is 10.7% and the annual death rate is 3.2%. Calculate the population after three years.

CHAPTER 8 (POLYNOMIALS)

WORK SHEET (1)

Q(1) Find out Whether the given expression is a polynomial or not, give reasons.

(1) $5x^3 - 4x^2 + 1/2$ (2) $\sqrt{3z^2 - 5}\sqrt{z+6}$ (3) $5x - 1/x + 1/x^2 - 2$

Q(2) write each of the following polynomials in standard form and also write down their degree.

(1) $P^6 - 8P^9 + P^7 + 5$. (2) $(x^2 - 2/3)(x^2 + 4/3)$

(3) $5/6Z - 3/4Z^2 - 2/3Z^3 + 1$

Work Sheet (2)

Q(3) Divide the following polynomials by a monomial using long division method. Also, write the quotient and the remainder.

(1) $-8X^3 + 6X^4 - 4 + 12X$ by $2X^2$

(2) $5X^{10} - 9X^8 - 9X^5 + 7X$ by X^5

(3) $5Z^3 - 6Z^2 + 7Z$ by $2Z$

Work Sheet (3)

Q(1) Using factor method, divide the following polynomials by a binomial.

(1) $X^4 + 3X^3 - 10$ by $X^2 + 5$.

(2) $Z^4 - 10Z + 16$ by $Z - 2$.

.....
Maths Project work:-

ACTIVITY 10

To derive the formula for total surface area of a cuboid.

Learning Objective : To find the total surface area of any cuboidal object.

Pre-requisite : Knowledge of area of a rectangle.

Materials Required : A cuboidal box, a pair of scissors and glue.

Procedure :

- Step 1.** Take an empty cuboidal box and label its length, breadth and height as 'l', 'b' and 'h' respectively. Fig. 10(a)
- Step 2.** Colour each pair of opposite faces with different colours say (red, blue and green).
- Step 3.** Cut out the 6 faces using a pair scissors.
- Step 4.** Paste the 6 faces on a sheet of paper [Fig. 10(b)].
- Step 5.** Find the area of each face.
- Step 6.** Add the areas of all faces. This will give the total surface area of the cuboidal box.

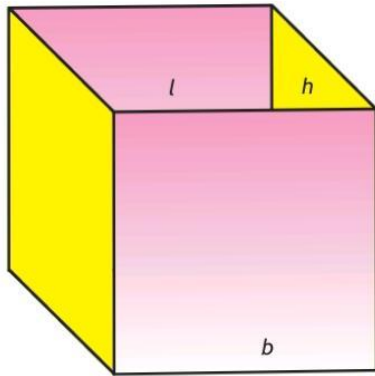


Fig 10A(a)

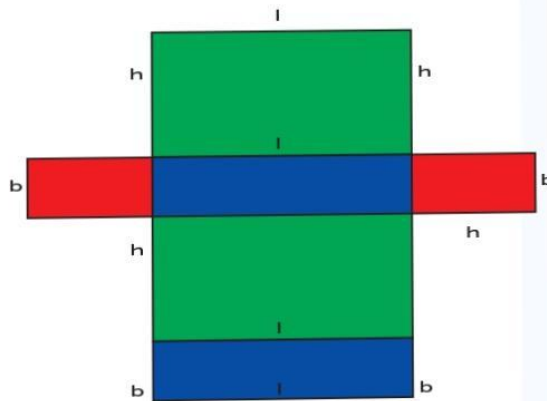


Fig 10(b)

Observations :

Area of each red face = sq. units

Area of each blue face = sq. units

Area of each green face = sq. units

Total Surface Area = 2 (Area of each red face + Area of each blue face + Area of each green face)

$$= 2(\dots + \dots + \dots)$$

Extension : You may extend this activity to derive the formula of total surface areas of other 3 dimensional shapes such as a cube and a right circular cylinder.



ACTIVITY 2

To verify, by paper cutting and pasting, that the sum of interior angles of a quadrilateral is 360° .

Learning Objective : To understand the angle sum property of a quadrilateral.

Pre-requisite : Knowledge of a quadrilateral and its interior angles. Idea of a complete angle.

Materials Required : A coloured sheet of paper, a plain sheet of paper, glue, a pair of scissors, a ruler and a pencil/pen.

Procedure :

Step 1. On a coloured sheet of paper, draw a quadrilateral ABCD. Name its angles as 1, 2, 3, 4. [Fig. 2(a)]

Step 2. Make the cutouts of all the four angles using a tracing paper, carbon paper and a plane sheet.

Step 3. Paste these cutouts on a sheet of paper at a point P so that there is no gap between them as shown in Fig. 2(b).

Observations :

1. All angles together forms aangle. (straight / obtuse / complete / reflex)
2. The sum of four angles of a quadrilateral is.....

Extension : Verify angle sum property for a concave quadrilateral.

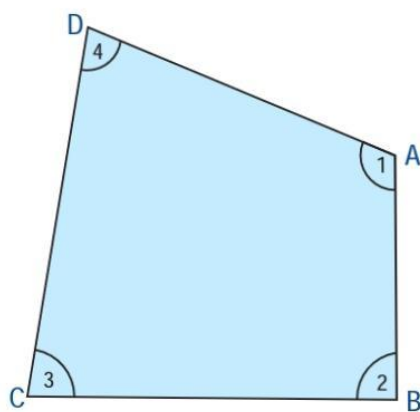


Fig. 2(a)

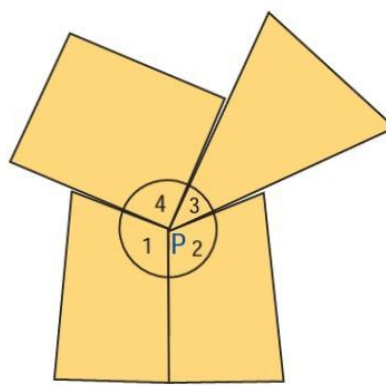


Fig. 2(b)



SUBJECT- HINDI

1. पाठ 10, 12 ज्ञान सागर की जीवन मूल्य को कक्षा कार्य कॉपी में लिखें
2. उपमा और प्लेस में अंतर स्पष्ट कर चार्ट पेपर में लिखें
3. अभ्यास सागर के पाठ 10, 11, 12 को पूर्ण करें

विषय-सस्कृत

1] सप्तमः पाठः (सफलं तस्य जीवितम्) का सभी प्रश्नोत्तर लिखे तथा याद करें।

2] परियोजनाकार्यम्-

पाठ्य पुस्तक से चार्ट पेपर पर गुण संधि के 10 उदाहरण विच्छेद सहित सुंदर तथा रंगीन बड़े अक्षरों में लिखें।

SCIENCE

SUBJECT- PHYSICS.

Define the following terms.

1)sliding friction, rolling friction and static friction.

2)state the likely cause of friction.

3)what do you mean by dispersion of light?

4)what do you mean by blind spot and persistence of vision?

5)How do we see colors?

PROJECT WORK-Draw structure of Homan eye on chart paper.

SUBJECT-CHEMISTRY

A) Answer the following questions.

Q1) Give some uses of PET

Q 2)Why is nylon considered to be a good material for making fishing net.

Q3)Distinguish between natural and synthetic fibers?? Why?

Q4) What are the disadvantages of wearing synthetic fabrics?

Q5) Give three advantages of rayon.

B) Project work

Collect at least five natural fibre and five synthetic fibre and paste in a chart paper and also write about them.

SUBJECT-BIOLOGY

1. Explain the importance of reproduction in organisms.

2. Define asexual reproduction. Describe two methods of asexual reproduction in animals.

3.Differentiate between internal fertilisation and external fertilisation.

Project - Make a project on budding in yeast.

SOCIAL SCIENCE (S.ST.)

SUBJECT-GEOGRAPHY

1. Highlight the importance of agriculture in five points.

2. Define agriculture

3. State the physical factors affecting agriculture

4. State the economic factors affecting agriculture
5. Write the classification of types of agriculture
6. Write the comparative study of agricultural farms in USA and India.

Project Work

1. In the outline map of the world identify the wheat and rice producing countries of the world.
2. Cotton and jute producing countries of the world.
3. Tea and coffee producing countries of the world. Stick the maps in the class work copy.

SUBJECT-HISTORY

Answer the following in h/w copy

1. Write questions no A,B,C of chap 12,13 in h/w copy
2. Describe any five major changes brought about in Delhi By the British before the development of New Delhi
3. What steps were taken by the British to modernize Calcutta.
4. **Write short notes on**
 - a)New Delhi Municipal committee
 - b)Delhi Improvement Trust.
 - c) Delhi Development Authority
 - d)Delhi Town Committee
 - d) Police in Delhi
5. What do you mean by Deurbanization?
6. Prepare at least 15 MCQs of chap 13.

Project work -Paste the any five pictures of important places in Delhi on scrap book write related information about the places.

SUBJECT- CIVIS

1. Write qualification of the High Court Judges.
2. Write qualification qualification of the Supreme Court Judges.
3. Write short notes on Impeachment.
4. Write five functions of Supreme Court.
5. Project Work--- Make a flow chart on judiciary on a chart paper
Flowchart should be very decorative and colourful.

COMPUTER SC.

Q1) Differentiate between Compiler and Interpreter

Q2) Draw the flowchart for the following

1. Accept the sale amount of a product and calculate discount as per the slab given below

a) if the amount >5000 then discount will be 25%

b) below 5000 discount will be 15%

c) Final bill = sale - discount

Q3). Accept the age of a person and find that the person is eligible for Vote or Not.

PROJECT:-Q4) Draw & explain all flowchart symbols on a chart paper.

विषय-नैतिक शिक्षा

1] पाठ-12 के सभी प्रश्नोत्तर लिखें तथा याद करें।

2] परियोजनाकार्य – पाठ्य पुस्तक से कोई एक कविता सुंदर रंगीन तथा बड़े अक्षरों में चार्ट पेपर पर लिखें।

SUBJECT –G. K.

Assignment- Do page no 78,79 in copy.

Project work- Draw the picture of any two great reformers from page no 76.

SUBJECT- DRAWING

Draw and colour these pictures neatly in your copy .

