

Holiday Homework

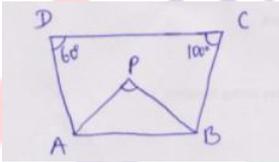
Class VIII

English

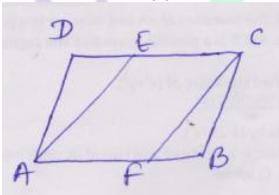
1. Draft the poster creating awareness about traffic rules.
2. Write a diary page describing how have you enjoyed the holidays during Dusshara.
3. Prepare the following topic for ASL.
 - a. Hazards of plastic.
 - b. Violent computer games should be banned.
 - c. Harmful effect of Junk Food.
4. Write a letter to anyone in the school whom you think as your ideal. Give reason why the person is your ideal. What qualities of him/her do you want to have? Mention one significant contribution of the person for you. How would you remain connected with him/her and reciprocate his/her contribution towards you. (Do it in file paper.)

Mathematics

1. In the adjacent figure, the bisectors of $\angle A$ and $\angle B$ meet in a point P. If $\angle C=100^\circ$ and $\angle D=60^\circ$. Find the measure of $\angle APB$.



2. In the adjacent figure, ABCD is a parallelogram and line segments AE and CF bisect the angles A and C respectively. Show that $AE \parallel CF$.



3. If $x+y=12$ and $xy=14$, find the value of (x^2+y^2) .
4. Find the value of $\frac{198 \times 198 - 102 \times 102}{96}$.
5. Divide $(5x^3 - 4x^2 + 3x + 18)$ by $(3 - 2x + x^2)$.
6. The perimeter of a triangle is $6p^2 - 4p + 9$ and two of its sides are $p^2 - 2p + 1$ and $3p^2 - 5p + 3$. Find the third side of the triangle.
7. Find the value of A, B, C; when
 $\begin{matrix} A & B \\ X & B & A \\ B & C & B \end{matrix}$
8. Mass of the earth is (5.97×10^{24}) kg and Mass of the moon is (7.35×10^{22}) kg. What is the total mass of the two?
9. Find three rational numbers between $\frac{2}{3}$ and $\frac{3}{4}$.
10. Evaluate $\sqrt{3}$ correct up to two places of decimal.
11. Evaluate $\sqrt[3]{2744}$.
12. A coin is tossed. What is the probability of getting a head?
13. The marks obtained by Sudhir in an examination are given below.

Subject	English	Hindi	Mathematics	Science	Social Science
Marks Obtained	105	75	150	120	90

Represent the above data by a Pie Chart.

14. Construct a quadrilateral ABCD in which $AB=4.2$ cm, $BC=6$ cm, $CD=5.2$ cm $DA=5$ cm and $AC=8$ cm.
15. Construct a square ABCD, each of whose diagonals is 5.2 cm.

Physics

1. Write any three types of force. Give at least one example of each.
2. Write any five effect of force. Explain it giving suitable examples.
3. Write any two remedies of reduce friction acting between two solid surfaces.
4. Define (With Figure/Explanation)

- a. Pendulum
- b. Amplitude
- 5. Write frequency of
 - a. Infrasonic Sound
 - b. Audible Sound
 - c. Time period
 - d. Frequency
 - c. Ultrasound

Chemistry

1. Prepare a report to show the guidelines for fire fighting.
2. Draw a diagram to show tower of fractional distillation.
3. Make a poster on "air pollution".
4. Prepare a file to show the effects and sources on "The Biological Pollution in the air".
5. Make a working model for exhibition.

Biology

1. Draw a neat and well labeled diagram of "Male Reproductive System and Female Reproductive System".
2. Make a poster on "Say no to drugs and Alcohol".
3. The Story of cloning and birth of Dolly. Discuss both scientific and ethical aspect of this technique.
4. On a figure chart paper, paste picture to show "Food rich in particular nutrients".
5. Prepare your own working model for exhibition.

History/Civics

1. Prepare a model of Pathshala(a flexible system of education).
2. Make a collage of the great reformers of India.
3. Draw picture of Swami Vivekanand and mention at least his three famous teachings.
4. Prepare a project on the life and the achievements of the following leaders:
 - a. The president of India
 - b. The Prime Minister of India
 - c. The Chief Minister of Jharkhand.
5. Make a model of Supreme Court or Parliament.
6. Collect pictures of different modes of living, dressing, occupation, customs, of the tribal and make a collage.

Geography

Make a file to complete the following holiday homework

1. On a political map of India mark the following: (Mark any three states)
 - a. Wind monitoring stations.
 - b. Nuclear power stations
 - c. Grain farming and its associates.
 - d. Shifting cultivation
2. On a physical map of world mark the following:
 - a. Livestock rearing
 - b. Primitive subsistence
 - c. Coffee
3. Make the following diagrams:
 - a. Biogas plant
 - b. Geo-thermal power plants
 - c. A nuclear plant
4. Learn important words of ch. 6 & 7 and write them on your home work copy.

Computer

1. Convert Decimal Number into Binary Numbers
 - a. 385
 - b. 232
 - c. 156
 - d. 39
 - e. 185
2. Convert Binary number into Decimal form
 - a. 10000
 - b. 10101
 - c. 11111
 - d. 110110
 - e. 100001
3. Add the following number
 - a. 1000+1111
 - b. 11111+1111
 - c. 101010+10000
 - d. 101101+100011
 - e. 1111001+1001100
4. Subtract the Binary Number
 - a. 1100-1111
 - b. 111100-011000
 - c. 11111-1010
 - d. 1001100-100011

5. Define the following terms with examples.

a. Logical operator

b. Relational operator

c. Unary operator

d.

Hindi

- संसार में ऐसे बहुत से महान व्यक्ति हुए हैं, जिन्होंने मित्रता की मिसाल कायम की है। ऐसे उदाहरण का संकलन करके उनके विषय में विस्तार से लिखें।
- अपने दादाजी को पत्र लिखते हुए उन्हें यह बताएँ की आप अपने विद्यालय में किस व्यक्ति से अधिक प्रभावित हैं और क्यों? आप उनके किन-किन गुणों को अपनाना चाहते हैं।
- नोट-उपर्युक्त कार्य अपने व्याकरण की कॉपी में करें।

Sanskrit

- "यमुना प्रदूषिताजाता" इति विषये चित्रम् रचयित्वा संस्कृतेन परियोजनाकार्यम् कुरुत (चार्ट पेपर पर)
- "डॉ० ए०पी०जे०अब्दुल कलाम महोदयस्य" जीवनीम् संस्कृतेन लिखत।
- व्याकरण पुस्तकात् किमपि एकं पत्रं मंजूषायाः शब्दसूचि सहायतया पूर्यत।(चार्ट पेपर पर)

