Dr. Virendra Swarup Education Centre, N-Block, Kidwai Nagar, Kanpur

Holiday Homework

Class: 8

Maths

1. Find out area of a rhombus using paper cutting and pasting method. (To be done in Activity notebook)
2. Do the given practice sheet in the C.W Register.

English

Read the Chapter 'The Tempest' from your Novel and write the story in your own words. (200 words) (English Composition Register)

Computer

Create a website in HTML on any top brand of ELECTRONIC in 2024 (include all the specifications related to it)

Science

Physics:-

Write Assignments:-

1. Compare and contrast the planets Earth and Mars in terms of their:
    1. Size and diameter
    2. Atmosphere and temperature
    3. Moons and rings
    4. Surface features and geology
2. Describe the unique features of each planet and explain why they are significant.
3. Write a short essay on the possibility of life on Mars and the challenges of exploring the planet.

Chemistry:-

CARBON & ITS COMPOUNDS-

On an artsheet, draw the structure of any 2 crystalline forms of carbon.
State three properties and three uses of each form.

Biology:-

Find out any four artificial ways of fertilization and write details about them along with the supported pictures on seperate comment sheets.

GK

1. Prepare 25 Current Affairs (Dec + Jan) in your notebook.
2. Describe the unique features of each planet & explain why they are significant.
3. Write a short essay on the possibility of life on Mars & the challenges of exploring the planet

History/Civics

Create a Historical Newspaper for a key event in History (Nationalism in India Newspaper should include Headline, Articles, Advertisement and picture related to the event on an Art sheet.
R. no. 1-10 (1857-77), 11-20 (1877-87), 21-30 (1897-1917), 31-40 (1917-1947)

Geography

On a scrapbook explain Natural Disasters along with the pictures **(For classes 8A, 8B, 8C)**
Flood (R. no. 1-10)
Volcano (R. no. 11-20)
Earthquake (R. no. 21-30)
Landslides (R. no. 31-40)
Cyclones (R. no. 41 and above)

For Class 8D

R. no. 1-10 – Nuclear Disaster
R. no. 11-20 – Chemical Disaster
R. no. 21-30 – Biological Disaster
R. no. 31 and above – Terrorist Attacks

Hindi

पत्र लेखन - अपने दोस्त को 'सर्दियों की छुट्टियाँ' कैसे बिताई पर पत्र लिखें । (Do it in Hindi Lang. notebook)

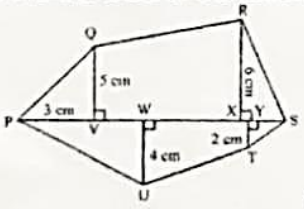
CLASS VIII

Dr. Virendra Swarup Education Centre, N- Block,Kidwai Nagar, Kanpur

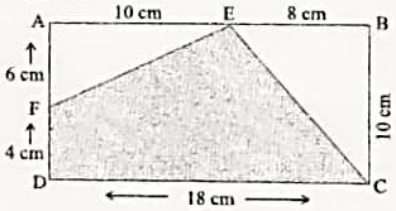
PRACTICE SHEET- 10 (Perimeter, Area and Volume)

1. A rectangle is 16 m by 9 m. Find a side of the square whose area equals the area of the rectangle. By how much does the perimeter of the rectangle exceed the perimeter of the square?
2. Two adjacent sides of a parallelogram are 24 cm and 18 cm. If the distance between longer sides is 12 cm, find the distance between shorter sides.
3. A copper wire when bent in the form of a square encloses an area of 121 cm^2. If the same wire is bent into the form of a circle, find the area of the circle.
4. Two parallel sides of a trapezium are in the ratio 7: 11 and the distance between them is 17 cm. If the area of the trapezium is 306 cm^2, find the lengths of its parallel sides.
5. The area of a trapezium is 360 m^2, the distance between two parallel sides is 20 m and one of the parallel side is 25 m. Find the other parallel side.
6. Find the area of a rhombus whose side is 8 cm and altitude is 5.25 cm. If one of its diagonal is 15 cm long, find the length of other diagonal.
7. A pit is dug in the shape of a cuboid with dimensions 10 m x 8m x 3m. The earth taken out is spread evenly on a rectangular plot of land with dimensions 40 m x 30 m. What the increase in the level of the plot?
8. Find the height of the cylinder whose volume is 2.31 m^3 and diameter of the base is 140 cm.
9. Water is pouring into a cuboidal reservoir at the rate of 40 litres per minute. If the capacity of reservoir is 84 m^3, find the number of hours it will take to fill the reservoir.
10. The area of cross-section of a pipe is 5.4 cm^2 and water is pumped out of it at the rate of 27 km/h. Find in litres the volume of water which flows out of the pipe in one minute.
11. The length, breadth and height of a cuboid are in the ratio 7: 6 : 5. If the surface area of the cuboid is 1926 cm^2, find the volume of the cuboid.
12. The internal dimensions of a rectangular room are 6 m, 5 m and 3.5 m. It has two doors of size 1.2 m by 2 m and three windows of size 1 m by 1.9 m. The walls of room are to be papered with a wall paper of width 70 cm. Find the cost of the paper at the rate of ₹6.50 per metre.
13. If radii of two circular cylinders are in the ratio 3 : 4 and their heights are in the ratio 6 : 5, find the ratio of their curved surfaces.
14. A cylindrical container is to be made of tin sheet. The height of the container is 1 m and its cost of the tin sheet for making the container.
15. Find the area of the following figures-

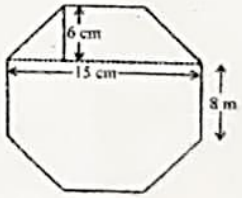
i.



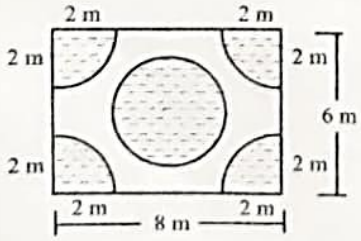
ii.



iii.



iv.



v.