

MAHARSHI PATANJALI VIDYA MANDIR



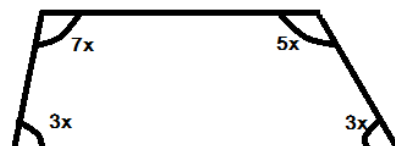
SESSION 2023-24

HOLIDAY HOMEWORK

CLASS- VIII

MATHS

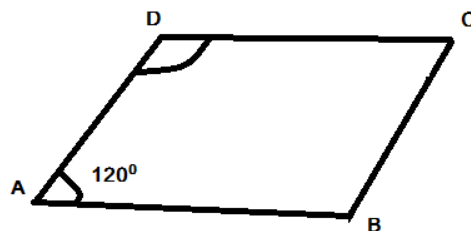
1. What is the sum of all interior angles of a quadrilateral?
2. If four angles of a quadrilateral are in the ratio of 1:2:4:5. Find the angles.
3. In a quadrilateral, if two angles are right angles and other two angles are in the ratio 1:2. Find these angles.



4. In the given figure find the value of x .

5. If four angles of a quadrilateral are in the ratio 2:3:6:7. Find the four angles.

6. In a \parallel gm if one angle is 90° then find the other three angles.



7. In the given figure ABCD is \parallel^m . Find D.

8. Which of the following is not a rational number?

- (a) $\frac{11}{17}$ (b) $\frac{160}{0}$ (c) 117 (d) $5\frac{1}{2}$

9. Find the sum

- (a) $\frac{3}{16} + \frac{2}{8}$ (b) $\frac{-3}{25} + \frac{9}{20}$ (c) $\frac{-1}{5} - \frac{1}{3}$ (d) $2\frac{1}{12} + \frac{-5}{36}$

10. (i) What is the additive inverse of $\frac{-7}{11}$?

- (ii) What is the multiplicative inverse of $2\frac{3}{11} \times \frac{1}{3}$?

11. (i) Which number lies between $\frac{1}{5}$ and $\frac{1}{4}$?

- (a) $\frac{1}{8}$ (b) $\frac{4}{10}$ (c) $\frac{1}{9}$ (d) $\frac{1}{20}$

- (ii) Write 10 rational numbers between $\frac{-4}{5}$ and $+\frac{4}{7}$

- (iii) Find a rational number between $\frac{1}{6}$ and $+\frac{1}{3}$
12. Find the product of $\frac{3}{8}$ and the reciprocal of $\frac{-5}{17}$
13. Ramesh Camara was loaded with a new film. The film can take 36 shape. During the class picnic he took 20 pictures. What fraction of the role can still be used to take shape?
14. What fraction 20 paise of Rs. 620?
15. What is the additive inverse of $\frac{-4}{9}$?
16. Find x if
- $$\frac{13}{11} \times \frac{22}{39} \times x = \frac{1}{9}$$

English

1. Read and practice the vocabulary chapters 20 & 21 in your grammar book and do the exercises in the grammar book.
2. Learn the vocabulary from chapter 22,23 and 24 & do their exercises in the grammar book.
3. Read the unseen passage in Grammar book on page 185 & 186 and find out their questions' answers.
4. Prepare a picture album on how you spent your vacation with descriptions in an attractive way.

विषय – हिन्दी

1. कक्षा में पठित सभी पाठ के प्रश्नोत्तर पाठ-1 भविष्यत पाठ-2 असली याचक तथा व्याकरण के पाठ-5 उपसर्ग, प्रत्यय, पाठ-6 संज्ञा के प्रश्नोत्तर दोहराएँ।
2. भविष्यत् कविता का सस्वर-वाचन तैयार कीजिए।
3. पाठ-2 असली याचक से व्याकरण संबोध के प्रश्न संख्या 3 उत्तर पुस्तिका में कीजिए।
4. पाठ-6 संज्ञा (व्याकरण) से प्रश्न संख्या 7 उत्तर पुस्तिका में कीजिए।

5. अपने पसंदीदा शहर के किसी ऐतिहासिक या दर्शनीय स्थल का अवलोकन करके उसके बारे में 120 शब्दों में चित्रात्मक प्रस्तुतिकरण करते हुए एक अनुच्छेद लिखिए।

एक हावेस्टिंग फेस्टिवल पर चित्रात्मक प्रस्तुति सहित एक अनुच्छेद लिखिए।

Subject-Sanskrit

- ¹ कक्षा में पढ़ाए गये पाठों को याद कीजिये।
- ² वन्दना को सचित्र उत्तर पुस्तिका में लिखिए एवं याद कीजिए।
- ³ शब्द रूप मुनि तथा धातु रूप कृ के पाँचो लकार उत्तर पुस्तिका में लिखिए एवं याद कीजिए।

BIOLOGY /CHEMISTRY

- * Read Chapter 1. Crop production and management and do the exercises given at the end of the chapter.
- * Draw the diagrams of Agricultural implements from the chapter in your copy.
- * Read Chapter 3. Coal and petroleum
- * Do the Subject & Art integrated project in a file. Topic is given in the syllabus.
- * Do the given below questions in your Classwork copy.

QUESTIONS

1. Why is it advisable to wash fruits and vegetables before using them?
2. What is the biological control of pests? How is it beneficial?
3. Rajesh felt worried about the condition of water scarcity in his village during the cropping season. He went to the Ministry of Agriculture and Farmers Welfare of his area to get the solution to this problem. There he came to know about effective methods of irrigation and drought resistant varieties of crops.

He requested the head of department of the ministry to arrange some workshops on this topic to educate the farmers in these methods.

- (a) Name and describe modern methods of irrigation that help us to use water economically.
- (b) What are drought resistant varieties of crop?
- (c) Can you name some crops that require less amount of water?

4. Why is pea sown after wheat?
5. Why is it necessary to dry grains before storing them?
6. Give a brief account on the contribution of M S Swaminathan in the Green Revolution.
7. On an outline map of India. Mark the places where coal, petroleum and natural gas are found.
8. Write at least five slogans on SOIL CONSERVATION and decorate it.

PHYSICS

True and false

1. Friction opposes the relative motion between two surfaces in contact.
2. A force can act on an object with or without being in contact with it.
3. Gase does not exert pressure on the walls of their container
4. The force exerted by a charged body on another charged or uncharged body is known as gravitational force
5. Magnetic force is a contact force
6. Force of gravity is an attractive force
7. Atmospheric pressure at high altitudes is less than the pressure at ground
8. People at plains suffer from nose bleeding.

Define

1. Muscular Force
2. Atmosphere pressure
3. Contact Force
4. Pressure

Conceptual Questions

1. Why shoulder bags are provided with broad straps and not thin straps
2. Why the tools meant for cutting and piercing always have sharp edges

3. Two persons are applying forces on two opposite sides of a moving cart. The cart still moves with the same speed in the same direction. What do you infer about the magnitudes and direction of the forces applied
4. Why do deep-sea divers have to wear special suits before going diving at the depths?

Social Studies Holiday Homework

Read Ls. 1 of History, Civics and Geography and learn their questions /answers.

History Activity

Write in brief about any Harvest Festival of South India.

1. Origin, state
2. Significance
3. Climate
4. Crops grown
5. How is it celebrated?
6. Historical and religious connection

Computer

1. Answer the following questions.
 - i) List any three advantages of PAN.
 - ii) What is a Firewall?
 - iii) What is the difference between Hub and Switches?
 - iv) What is NIC?
2. Write the answer in short
 - i) What is LAN?
 - ii) It is a box that connects your home network to your Internet Service Provider or ISP.
 - iii) Name the best example of WAN.
 - iv) A group of devices connected with one another is known as?

3. Write 'T' for true and 'F' for false statements.

- i) A switch is a box that helps you to connect with multiple networks.
- ii) WAN is less secure.
- iii) MAN offers centralized data management.
- iv) A Firewall gives you the ability to grant or deny access to individual users based on their responsibilities within your network.