

PRACTICE WORKSHEET-65**SUBJECT – MATHEMATICS****CLASS – IX****CHAPTER- 7 and 8****(Triangles and Quadrilateral)****SESSION - (2020-21)****Instructions to be followed: -**

1: -From now onwards students do your worksheets in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.

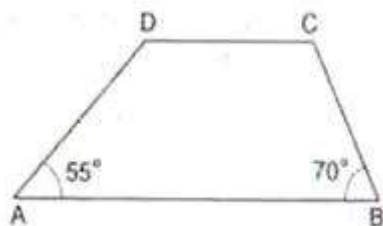
2: - All the students must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.

3: - Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.

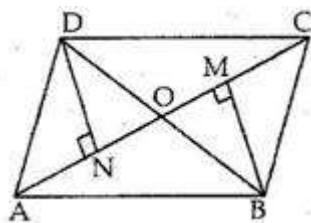
4: - All the students must purchase NCERT books as it will help you to understand the chapter.

5: - If you have any query related to worksheet, ask your queries in WhatsApp group between 8:00 am to 3:00 pm.

1. The angles of a triangle are in the ratio 2:3:4. Find the angles.
2. In $\triangle ABC$, if $3\angle A = 4\angle B = 6\angle C$, calculate $\angle A$, $\angle B$ and $\angle C$.
3. In $\triangle ABC$, if $\angle A + \angle B = 108^\circ$ and $\angle B + \angle C = 130^\circ$, find $\angle A$, $\angle B$ and $\angle C$.
4. The sum of two angles of a triangle is 116° and their difference is 24° . Find the measure of each angle of the triangle.
5. In the adjoining figure, ABCD is a trapezium in which $AB \parallel DC$. If $\angle A = 55^\circ$ and $\angle B = 70^\circ$, find $\angle C$ and $\angle D$.

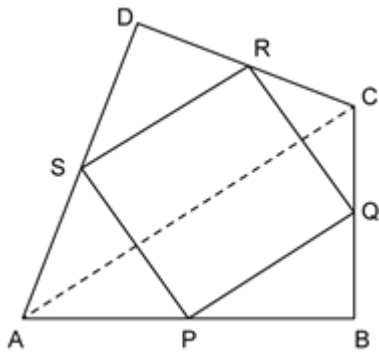


6. In the adjoining figure, $BM \perp AC$ and $DN \perp AC$. If $BM = DN$, prove that AC bisects BD.



7. Prove that the sum of all the angles of a quadrilateral is 360° .

8. P, Q, R and S are respectively the midpoints of the sides AB, BC, CD and DA of a quadrilateral ABCD. Show that
- $PQ \parallel AC$
 - $PQ \parallel SR$



For Solutions (Q1 to Q4): <https://www.topperlearning.com/r-s-aggarwal-and-v-aggarwal-solutions/cbse-class-9-mathematics/r-s-aggarwal-and-v-aggarwal-mathematics-ix/triangles>

For Solutions (Q5 to Q8): <https://www.topperlearning.com/r-s-aggarwal-and-v-aggarwal-solutions/cbse-class-9-mathematics/r-s-aggarwal-and-v-aggarwal-mathematics-ix/quadrilaterals>

HARI VIDYA BHAWAN
SUBJECT- SOCIAL SCIENCE
CLASS – IX
SESSION – 2020 – 21
WORK SHEET - 65

Date –2-02-2021

General Instructions: -

- From now onwards students do your worksheet in your particular subject notebook respectively.
 - Don't use rough sheets, old copies or anything else. All the stationary shops have already. So, you can purchase it.
 - All the student must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
 - Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.
 - All the students must purchase NCERT books as it will help you to understand the chapter.
 - If you have any query related to worksheet, ask your queries in WhatsApp group between 8:00 am to 3:00 pm.
-

Chapter 2 Physical Features of India

Long Answer Questions:

1. Describe the three parallel ranges of the Himalayas.
2. Classify the Northern plain on the basis of the variations in the relief features.
3. Differentiate between *bhabhar and terai*.
4. Mention the divisions of Northern Plains marked by rivers.

हरि विद्या भवन

विषय - हिंदी

सामान्य निर्देश

- * प्रस्तुत कार्य अपनी हिंदी साहित्य की पुस्तिका में कीजिए। किसी अन्य पुस्तिका में किया गया कार्य स्वीकार नहीं किया जायेगा।
- * सभी विद्यार्थियों को परीक्षा हेतु यह कार्य करना अनिवार्य है।
- * वर्कशीट में दिए गए पाठ और कविता को ध्यानपूर्वक पढ़ें।
- * वर्कशीट से सम्बंधित समस्या पूछने के लिए आप अपने कक्षा ग्रुप पर सुबह 8 बजे से 3 बजे तक मैसेज कर सकते।

हरि विद्या भवन

कक्षा - दसवीं

विषय - हिंदी

वर्कशीट - 65

दिनांक :- 2|2|21

पुस्तक :- संचयन

पाठ :- 3 टोपी शुक्ला

लेखक :- राही मासूम रज़ा

पुनरावृत्ति कार्य

प्रस्तुत प्रश्नो के उत्तर दीजिए

प्र01) पाठ में टोपी ने कौन सी कसम खाई ?

प्र02) टोपी ने मुन्नी बाबू का कौन सच छिपाया था ?

प्र03) इफ़्फ़न टोपी की कहानी का महत्वपूर्ण कहानी का हिस्सा किस प्रकार से है ?

प्र04) अम्मी शब्द पर टोपी के घर वालो की क्या प्रतिक्रिया हुई ?

प्र05) टोपी को इफ़्फ़न की दादी का व्यवहार क्यों अच्छा लगता था ?

- प्र06) इफ़्फ़न की दादी की मृत्यु के बाद टोपी का जीवन अकेला क्यों हो गया था ?
- प्र07) इफ़्फ़न की दादी का मायका का घर कस्टोडियन में क्यों चला गया था ?
- प्र08) प्रस्तुत के आधार पर इफ़्फ़न और टोपी का चरित्र चित्रण लिखिए ?
- प्र09) टोपी शुक्ला पाठ की कहानी अपने शब्दों में लिखिए ?

HARI VIDYA BHAWAN

Worksheet-65

Class-X

Subject-Science

Session-2020-21

(Practice Questions)

Date: 02/02/2021

Instructions to be followed :-

- 1:- From now onwards students do your worksheet in your particular subject notebook respectively. Don't use rough sheets, old copies or anything else. All the stationary shops have already opened. So, you can purchase it.
 - 2:- All the student must complete their worksheets as Periodic test marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
 - 3:- Read each and every topic (which will be given in worksheets) of the chapters from NCERT books.
 4. All the students must purchase NCERT books as it will help you to understand the chapter.
 - 5:- If you have any query related to worksheet, ask your queries in WhatsApp group between 8.00 am to 3:00 pm .
-

Short Answer Type Question: -

- Q.1 Moving part of an electric motor is called
(a) armature (b) shaft (c) split ring (d) slip ring
- Q.2 The speed of light in a given medium is $\frac{2}{3}$ rd of its speed in vacuum. The absolute refractive index of the medium equals to
(a) $\frac{9}{4}$ (b) $\frac{4}{9}$ (c) $\frac{3}{2}$ (d) $\frac{2}{3}$
- Q.3 A piece of wire of resistance R is cut into 5 equal parts. These parts are then connected in parallel. The equivalent resistance of this combination is R'. The ratio of R/R' is

- (a) 1/50 (b) 25 (c) 5 (d) 1/5

Q.4 Define electric power.

Q.5 Why copper and aluminium wires are used as connecting wires?

For question numbers 6 - 10 , two statements are given –one labeled Assertion (A) and the other labeled Reason (R) . Select the correct answer to these question from the codes (i), (ii) , (iii) and (iv) as given below.

- (i) Both A and R are true and R is correct explanation of the assertion.
- (ii) Both A and R are true but R is not the correct explanation of the assertion.
- (iii) A is true but R is false.
- (iv) A is false but R is true.

Q.6 **Assertion:** In Fleming’s left hand rule, the direction of magnetic field, force and current are mutually perpendicular.

Reason: Fleming’s left hand rule is applied to measure the induced current.

Q.7 **Assertion:** The value of current in ammeter is same independent of its position in the series electric circuit.

Reason: In a series combination of resistors current is same in every part of the circuit.

Q.8 **Assertion:** Twinkling of stars is due to the fact that refractive index of the earth’s atmosphere fluctuates.

Reason: Dispersion is due to Tyndall effect.

Q. 9 Calculate the resistance of 50cm length of wire of cross sectional area 0.01 mm^2 and of resistivity $5 \times 10^{-8} \Omega \text{m}$.

Q.10 Two resistors, of resistances 5Ω , and 10Ω respectively are to be connected to a battery of e.m.f. 6V, so as to obtain (i) minimum current flowing, (ii) maximum current flowing.

(a) How will you connect the resistances in each case?

(b) Calculate the strength of the total current in the circuit in the two cases.

Note –

- This worksheet is for your self assessment. To solve the above questions read all the notes and NCERT books & try to answer them.
- All the practice worksheets have to be done in same notebook wherever you are writing notes.

