

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
ONLINE CLASSES
WEEK – 15 (06.08.2020)
CLASS – VIII

English: Kindly see below

Hindi: <https://youtu.be/mrmLTodDkJE>

Mathematics: Kindly see below

General Science: Kindly see below

Social Studies: Kindly see below

Sanskrit: Kindly see below

Computer Science: <https://youtu.be/4FLuVGK12DQ>

General Knowledge: Kindly see below

Moral Science: <https://youtu.be/U6p5dzz24Gw>

Physical Education: <https://youtu.be/ey-1F87L5Ws>

Music (Guitar): <https://youtu.be/WSZNRbmS2ps>

Music (Keyboard): <https://youtu.be/KQY3F8xzTIQ>

Health & Sanitation: <https://youtu.be/L9GOdmLzNoo>

Art Education: <https://youtu.be/tMAPIXSOdGk>

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR

ENGLISH

CLASS – VIII

Unit – 4 : Patol Babu, Film Star

A. ANSWERS.....

1. The role in the film that is offered to Patol Babu was that of a pedestrian. An absent minded, short tempered pedestrian.
2. Yes, these words reflect Patol Bau's excitement about the acting opportunity but he was trying to hide his feelings just because he had not expected such news early in the morning. An offer to act in a film could come to him was beyond his wildest dreams.
3. Patol Babu gave up acting because in 1943 a sudden cutback in his office due to the war cost him his nine year old job. Ever since then, Patol Babu had struggled to make a living. He had tried every means of earning a livelihood without ever succeeding in improving his lot. Acting had become a thing of the remote past something which has recalled at times with a sigh.
4. According to me the role was not so crucial but the crew said so to Patol Babu to make him realize that his role is also very important in that film.

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR

MATHEMATICS

CLASS – VIII

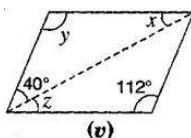
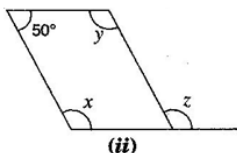
Solutions

Chapter - 3

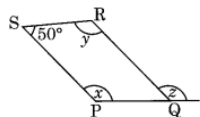
Understanding Quadrilaterals

(Ex. 3.3) Solutions

2. Consider the following parallelograms. Find the values of the unknowns x,y,z



(ii) PQRS is a parallelogram.



$\angle P + \angle S = 180^\circ$ [Adjacent angles of parallelogram]

$$\Rightarrow x + 50^\circ = 180^\circ$$

$$x = 180^\circ - 50^\circ = 130^\circ$$

Now, $\angle P = \angle R$ [Opposite angles are equal]

$$\Rightarrow x = y$$

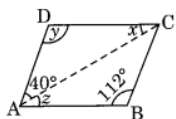
$$\Rightarrow y = 130^\circ$$

Also, $y = z$ [Alternate angles]

$$z = 130^\circ$$

Hence, $x = 130^\circ$, $y = 130^\circ$ and $z = 130^\circ$

(v) ABCD is a parallelogram.



$\angle D = \angle B$ [Opposite angles of a ||gm]

$$y = 112^\circ$$

$x + y + 40^\circ = 180^\circ$ [Angle sum property]

$$\Rightarrow x + 112^\circ + 40^\circ = 180^\circ$$

$$\Rightarrow x + 152^\circ = 180^\circ$$

$$\Rightarrow x = 180^\circ - 152 = 28^\circ$$

$z = x = 28^\circ$ (Alternate angles)

Hence $x = 28^\circ$, $y = 112^\circ$, $z = 28^\circ$.

3. Can a quadrilateral ABCD be a parallelogram if

(i) $\angle D + \angle B = 180^\circ$?

(ii) $AB = DC = 8$ cm, $AD = 4$ cm and $BC = 4.4$ cm?

(iii) $\angle A = 70^\circ$ and $\angle C = 65^\circ$?

Solution:

(i) For $\angle D + \angle B = 180$, quadrilateral ABCD may be a parallelogram if following conditions are also fulfilled.

(a) The sum of measures of adjacent angles should be 180° .

(b) Opposite angles should also be of same measures. So, ABCD can be but need not be a parallelogram.

(ii) Given: $AB = DC = 8$ cm, $AD = 4$ cm, $BC = 4.4$ cm

In a parallelogram, opposite sides are equal.

Here $AD \neq BC$

Thus, ABCD cannot be a parallelogram.

(iii) $\angle A = 70^\circ$ and $\angle C = 65^\circ$

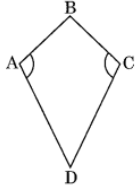
Since $\angle A \neq \angle C$

Opposite angles of quadrilateral are not equal.

Hence, ABCD is not a parallelogram.

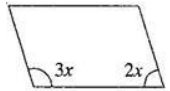
4. Draw a rough figure of a quadrilateral that is not a parallelogram but has exactly two opposite angles of equal measure.

Solution: ABCD is a rough figure of a quadrilateral in which $m \angle A = m \angle C$ but it is not a parallelogram. It is a kite.



5. The measures of two adjacent angles of a parallelogram are in the ratio 3 : 2. Find the measure of each of the angles of the parallelogram.

Solution:



Let ABCD is parallelogram such that

$m \angle B : m \angle C = 3 : 2$

Let $m \angle B = 3x^\circ$ and $m \angle C = 2x^\circ$

$m \angle B + m \angle C = 180^\circ$ (Sum of adjacent angles = 180°)

$3x + 2x = 180^\circ$

$\Rightarrow 5x = 180^\circ$

$\Rightarrow x = 36^\circ$

Thus, $\angle B = 3 \times 36 = 108^\circ$

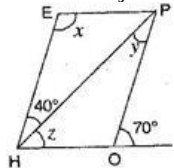
$\angle C = 2 \times 36^\circ = 72^\circ$

$\angle B = \angle D = 108^\circ$

and $\angle A = \angle C = 72^\circ$

Hence, the measures of the angles of the parallelogram are $108^\circ, 72^\circ, 108^\circ$ and 72° .

7. The adjacent figure HOPE is a parallelogram. Find the angle measures x, y and z. State the properties you use to find them.



Solution:

$\angle y = 40^\circ$ (Alternate angles)

$\angle z + 40^\circ = 70^\circ$ (Exterior angle property)

$\Rightarrow \angle z = 70^\circ - 40^\circ = 30^\circ$

$z = \angle EPH$ (Alternate angle)

In $\triangle EPH$

$\angle x + 40^\circ + \angle z = 180^\circ$ (Adjacent angles)

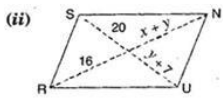
$\Rightarrow \angle x + 40^\circ + 30^\circ = 180^\circ$

$\Rightarrow \angle x + 70^\circ = 180^\circ$

$\Rightarrow \angle x = 180^\circ - 70^\circ = 110^\circ$

Hence $x = 110^\circ, y = 40^\circ$ and $z = 30^\circ$.

8. The following figure RUNS are parallelograms. Find x and y. (Lengths are in cm)



$$\Rightarrow y + 7 = 20$$

$$\Rightarrow y = 20 - 7 = 13$$

Also, $ON = OR$

$$\Rightarrow x + y = 16$$

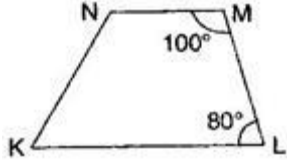
$$\Rightarrow x + 13 = 16$$

$$x = 16 - 13 = 3$$

Hence, $x = 3$ cm and $y = 13$ cm.

[Diagonals of $\parallel$ gm bisect each other]

10. Explain how this figure is a trapezium. Which of its two sides are parallel?



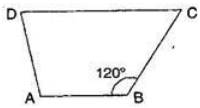
Ans. $\angle M + \angle L = 100^\circ + 80^\circ = 180^\circ$

$\angle M$ and $\angle L$ are the adjacent angles, and sum of adjacent interior angles is 180°

KL is parallel to NM

Hence $KLMN$ is a trapezium.

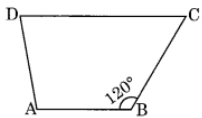
11. Find $m\angle C$ in figure, if $\overline{AB} \parallel \overline{DC}$.



Solution:

Given that $\overline{AB} \parallel \overline{DC}$

$m\angle B + m\angle C = 180^\circ$ (Sum of adjacent angles of a parallelogram is 180°)



$$120^\circ + m\angle C = 180^\circ$$

$$m\angle C = 180^\circ - 120^\circ = 60^\circ$$

Hence $m\angle C = 60^\circ$

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
SCIENCE
CLASS – VIII
Revision Assessment

CHAPTER : 1 and 2

Multiple Choice Questions :-

1. Sleeping sickness is caused by:
(a) Algae (b) Protozoa (c) Fungi (d) Viruses
2. Transplantation is done in case of
(a) Rice (b) Wheat (c) Sugarcane (d) Potato
3. Tall cylindrical structures for storage of grains are known as
(a) Granaries (b) Jute bags (c) Gunny bags (d) Silos
4. Which of the following is not a food preservative?
(a) Salt (b) Sugar (c) Water (d) Vinegar
5. Which of the following is a Kharif Crop?
(a) Wheat (b) Barley (c) Gram (d) Sugarcane

Fill in the blanks:-

1. _____ is the first step for the preparation of a field before sowing seeds.
2. Amoebic dysentery is caused by _____.
3. _____ is a poisonous mushroom.
4. _____ is a machine which does both harvesting and threshing.

Short-answer type questions :-

1. What is crop protection and what are the methods of crop protection?
2. Write a short note on nitrogen fixation.
3. How does a vaccine work?
4. Explain the process of threshing and winnowing.

Long-answer type questions :-

1. Define sowing and describe various methods adopted for sowing seeds.
2. What are communicable diseases and how are they spread?

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
SOCIAL STUDIES (CIVICS)
CLASS – VIII
Chapter – 25 : Understanding Secularism

Question and Answers

D. Answer the following questions.

Q1. What do you mean by secularism?

Answer- Secularism means showing due respect to all religions. In a secular state, there is no official religion of the state and it does not discriminate against any religion.

Q2. What is the necessity of separating religion from the state?

Answer- If any country professes a particular religion of its own it will naturally promote such a religion which is quite against the spirit of democracy which ensures right to equality to all citizens. So to protect the freedom of individuals and to prevent the domination of one religion over another.

Q3. How far do you agree with the view that the Indian state both keeps away from religion as well as interferes in the religion?

Answer- India is a land of complex ideas. It is difficult to understand what it really wants there are many ideals in the Constitution but practices are quite different from them. In many cases we see laws explain a concept in a different way. But people interpret it differently. As for example, in a secular state law has nothing to say in any of the religions practices but when the dominance of upper castes in religion was brought to question the law took favour of the lower castes.

Q4. In what ways Indian secularism is different from that of other countries?

Answer- Unlike Indian secularism, there is strict separation between religion and the State in American secularism. In India the state, can interfere in religious affairs for social justice, but not in other countries.

Q5. Why the government interferes if some religious groups say that their religion allows them to practice untouchability or infanticide?

Answer- This is because the Indian Constitution clearly states that the Government has the right to intervene if there is a threat to social harmony. The practice of infanticide is a crime. Under this practice the life of a newly-born child is killed. The law does not allow anyone to kill a life.

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR

**SANSKRIT
CLASS – VIII**

चतुर्थः पाठः तुलस्याः महत्ता

क्रियाकलापाः

यह प्रश्न आप स्वयं करें।

स्वमूल्यांकनम्

निर्देशानुसारं उत्तरत-

- (i) चतुर्थी विभक्ति, नमः शब्द योगे
- (ii) भगवतः
- (iii) नि+क्षिप्+ल्यप्
- (iv) त्वक्+रोगान्
- (v) वृक्षः

मूल्यपरकप्रश्नाः

- 1. (क)
- 2. (ख)

EMMANUEL MISSION SR SEC SCHOOL, BEAWAR
GENERAL KNOWLEDGE
CLASS – VIII
Assessment Of Chapter 1 to 3

Learn & Solve

1. A bird that does not migrate is known as-----
2. What changes happen to a bird's body before it migrates?
3. What is the term used for a migrating bird that is just passing through?
4. Name a World Heritage Site recognized by UNESCO.
5. Which is the highest peak of India?
6. ----- India's oldest railway station.
7. India's highest railway station-----
8. World's longest railway platform-----
9. Railway station with the shortest name-----
10. The Indian Railways is the largest railway -----.