

MODEL LESSON PLAN

Name of the Trainee	: DHANDAPANI. V
Name of the Practice School	: Govt. Hr. Sec. School, Puducherry
Class & Section	: 8th Std. 'B'
Name of the Subject	: Mathematics
Name of the Lesson	: Measurements
Name of the Topic	: Semi-Circles and Quadrants
Class strength	: 40
Duration of the Period	: 45 min
Date	: 13.11.2020

General Instructional Objectives (GIO)	Specific Instructional Objectives (SIO)
The Pupil ❖ To acquires the knowledge about Semi-circle and quadrant ❖ To understanding the concept of Semi-circle and quadrant ❖ To applies the concept in different situation. ❖ To develops the skill in finding semi-circle and problems based on semicircle and quadrant.	The pupil ❖ To recall the definition of semicircles and quadrant. ❖ To recognise the area and perimeter in given examples. ❖ illustrates the semicircle and quadrants circle with examples ❖ differentiate between semicircle and quadrant circle. ❖ solve the given problems. ❖ observe the models of semicircle in daily life. ❖ Select the suitable formula to solve the given problem. ❖ applies the values in the formula

Text Book : Tamil Nadu Text Book Corporation – 8th standard.

Reference Book : NCERT Text books.

Teaching Aids : Flash Cards, Charts, black board, and Real Objects.

Objectives / Content	Teacher's Activity	Pupil's Activity	Teaching Aids	Black-Board Summary / Evaluation
<u>Motivation:</u> recalls recognise presentation	The teacher motivates the students by asking questions. 1. what is semicircle? Good 2. What is the formula for finding area of semi circle? Very good The teacher introduces the lesson writes the topic on the black board "semicircle and quadrant"	The half part of a circle is called semicircle. Area of a semicircle $A = \pi r^2/2$ sq. units Student listens	Black board Chalk and black board	$A = \pi r^2/2$ sq. units "semicircle and quadrant"

Objectives / Content	Teacher's Activity	Pupil's Activity	Teaching Aids	Black-Board Summary / Evaluation
<u>Explanation</u> Gives definition for semicircle Gives examples of semicircle Gives formula for semicircle	The teacher gives the definition of semicircle and quadrants. The half part of circle is called semicircle? The teacher gives the example for semicircle i) perimeter of a semicircle $P = (\pi+2)r$ units. ii) area of a semicircle $A = \pi r^2/2$ sq. units	 The students writes the definitions on their note book Students observes Pupil writes the formula on their note books	 Cutout and semicircle models chart and flash card	 The half part of circle is called semicircle? Half moon, half water melon i) perimeter of a semicircle $P = (\pi+2)r$ units. ii) area of a semicircle $A = \pi r^2/2$ sq. units

Objectives / Content	Teacher's Activity	Pupil's Activity	Teaching Aids	Black-Board Summary / Evaluation
Gives definition for quadrant of a circle	cut the circle through two of its perpendicular diameter. we get four equal parts of the circle. Each of the part is called quadrant of a circle?	Students observes	Models of quadrant circle	cut the circle through two of its perpendicular diameter. we get four equal parts of the circle. Each of the part is called quadrant of a circle?
Gives examples for quadrant of a circle	The teacher gives the example for a quadrant of a circle	Students observes	chart	Quarter of a water melon
Gives formula for quadrant of a circle	i) perimeter of a quadrant of a circle e P = $(\pi/2+2)r$ units. ii) area of a quadrant of a circle semicircle $A = \frac{1}{4} \times \pi r^2 / 2$ sq. units	Pupil writes the formula on their note books	flash card	i) perimeter of a quadrant of a circle e P = $(\pi/2+2)r$ units. ii) area of a quadrant of a circle semicircle $A = \frac{1}{4} \times \pi r^2 / 2$ sq. units
Comparison	The teacher gives real life example for semicircle and quadrant	Pupil observes	Real life models	Bangle, ball, round table, quarter of round birthday cake. i) perimeter of a semicircle P = $(\pi+2)r$ units.

