

LESSON PLAN 2

CLASS-V	SUBJECT-MATHEMATICS	DAY-2	TIME DURATION-40 MIN
UNIT/NAME OF THE LESSON	CHAPTER 3 HOW MANY SQUARES		
LEARNING OBJECTIVE	➤ Knows the concept of area and perimeter ➤ Understands the relationship between area and perimeter. ➤ Finding the perimeter of regular shapes by the counting the squares. ➤ Derives formula to find the perimeter of square and rectangle. ➤ Finding the perimeter of regular shapes (square and rectangle) using formulae.		
CONCEPT OF THE DAY	CONCEPT OF PERIMETER AND FINDING THE PERIMETER OF REGULAR SHAPES.		
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: • Knows the concept of area and perimeter • Understands the relationship between area and perimeter. • Finding the perimeter of regular shapes by the counting the squares. • Derives formula to find the perimeter of square and rectangle. • Finding the perimeter of regular shapes (square and rectangle) using formulae.		
TEACHING LEARNING MATERIAL (TLM)	Shapes card (regular shapes) Square grid (10 x 10) Geo board. Picture of objects with same shapes and different sizes		
PREREQUISITE KNOWLEDGE	Students have the knowledge of shapes and able to name the regular shapes Students able to find the area of the regular shapes.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Oral test: Identify the shown shapes and asks the students to identify the shape. Students are asked to answer the simple questions related to area. 1. What is area? 2. What is the unit of area? 3. How can we find area of square or rectangle?		

TRANSACTION METHODOLOGY

STARTER/ WARM UP:
POEM (5 MIN)

Pattern Block Perimeter	
Pattern Block	Perimeter
hexagon	6
trapezoid	5
triangle	3
rhombus	4
Parallelogram	4



Teacher will ask the students to make any diagram on their choice using shapes block and ask them to count the number of sides of each shape.

EXPLANATION WITH
VIDEO (8 MIN)

Teacher will show the video on perimeter and asks the students to watch the video and understood the concept of perimeter.

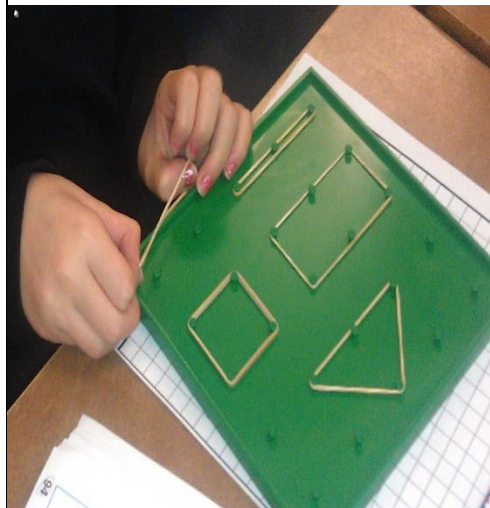
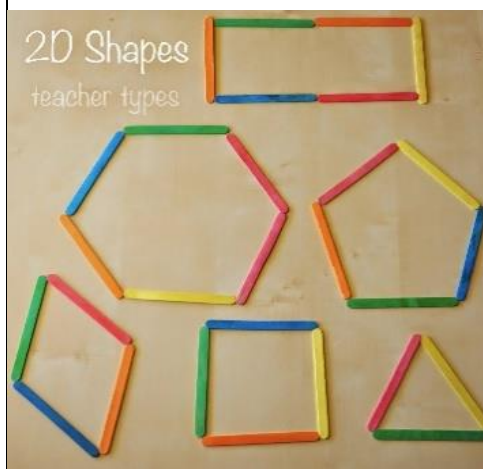
https://youtu.be/UTTIRaN_o74
https://youtu.be/JAy_CETeYUM

PPT WITH
EXPLANATION (7 MIN)

Teacher explained the concept of perimeter and how to find the perimeter of regular polygons using the PPT and discussion. Now students will be asked to watch the PPT and able to find the perimeter of different shapes by adding the all the sides of the shape

<https://drive.google.com/file/d/1TRpYI9BE1GguBL7J6Y2396m0uhQ7IxB-/view?usp=sharing>

VIDEO EXPLANATION
AND CLASSROOM
ACTIVITY
(7 MIN)

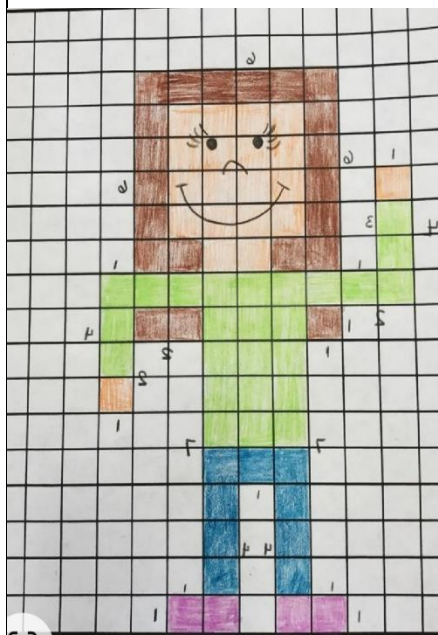


<https://drive.google.com/file/d/1xqTVaZhFEpAHLsxcOsDPUIl2rOOzg6rl/view?usp=sharing>

Teacher shows the video and explain the concept of perimeter by conducting the following activity.

Students using straws cut into lengths of 2, 4, and 6 inches, along with pipe cleaners cut into 2-inch pieces, students explore perimeter by making polygons with sides of various lengths. They measure and record the lengths then draw the shapes in their math notebooks, annotating the length of each side along with the total perimeter. Students use rubber bands on geoboard to create shapes with different perimeters that I have written on the board. For example, I'll ask them to make a square with a perimeter of 16, a triangle with a perimeter of 12, etc.

QUESTIONING AFTER
THE ACTIVITY
&DISCUSSION (ORAL
TEST):SHAPES CARDS
AND BLOCKS (8 MIN)



Students are asked to make the diagram of their choice to count the perimeter of the same.

They can use the shapes block to make the robot.

Students are asked to answer the question related to perimeter.

- 1.What is the perimeter of hexagon?
- 2.What is the perimeter of octagon?
- 3.What is the perimeter of quadrilaterals?

CLOSURE (5 MIN)	Students are asked to draw the perimeter for the given measurement. Students are asked to attend the online test on the concept of perimeter. https://docs.google.com/forms/d/e/1FAIpQLSdmfjFIirgyQLifRtVxUs-yxoriX1HOYBiRuzj5lv428jO6FA/viewform?usp=sf_link
SUGGESTED FIELD ACTIVITY (can be done in FW period)	Teacher will ask the students to do the project to make their imagination city and calculate the area and perimeter. Students are asked to decorate the classroom door representing the concept of area and perimeter.
HOME LEARNING	Worksheet will be given to the students to solve from home. Worksheet-2: https://drive.google.com/file/d/1iOS_Qw3HbRjgsI4prf8SBem8wbz2o32Q/view?usp=sharing
EXTERNAL RESOURCES	NCERT book CLASS V – Maths Videos from internet.