

LESSON PLAN 1

CLASS-V	SUBJECT-MATHEMATICS	DAY-1	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 area of regular shapes by the counting the squares. ❖ Derives formula to find the area of square and rectangle. ❖ Finding the area of regular shapes (square and rectangle) using formulae.		
CONCEPT OF THE DAY	CONCEPT OF AREA AND FINDING THE AREA 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. ✓ Find the area of regular shapes by the counting the squares. ✓ Derives formula to find the area of square and rectangle. ✓ Find the area 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 and able to compare the shapes which is bigger and which is smaller.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Oral test: Identify the shown shapes and asks the students to identify the shape.		

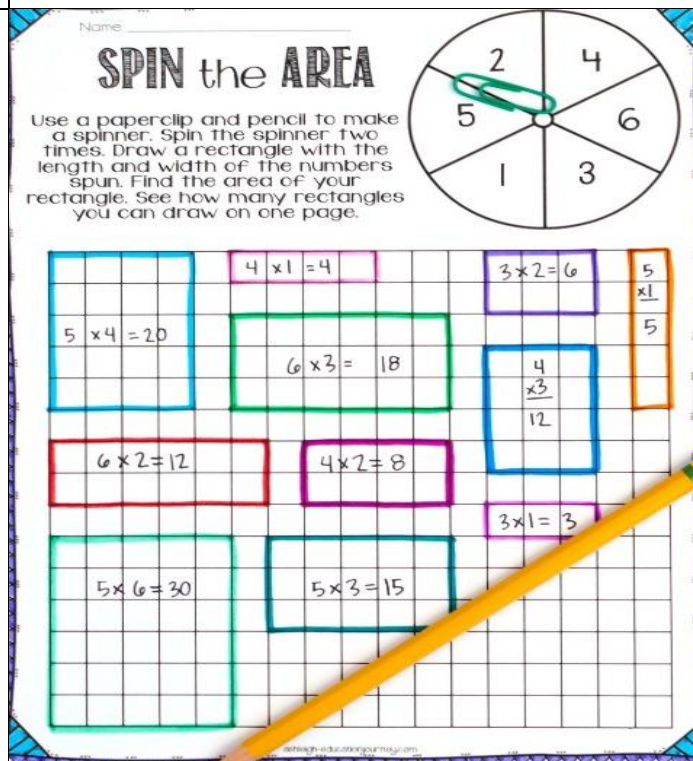
	Teacher will show the pictures of objects to the students and ask them to identify.
TRANSACTION METHODOLOGY	
STARTER/ WARM UP: POEM (5 MIN)	Teacher will ask the students to recite a song with actions. Perimeter means the outside, Measure around a window or a door, Add up the length of all sides, It's the outside. Well maybe I'll build a fence, Or maybe I'll take a walk around the block, I need to find the distance, around the outside- it's good. Perimeter's the outside- you just add, It's all around the outside- it's good. Perimeter's the outside. Area means the inside, Cover the surface that's inside, Measure the length and then the width- Then you multiply. Well maybe I'll buy a new shag carpet, Or maybe I'll make a quilt using squares, I'll just make sure—I multiply, The length by the width, find square units inside. It's the area, that's good. The area's the inside--- multiply, The area's the inside---it's good. Square units on the inside. Perimeter's the outside- you just add, It's all around the outside, it's good. The area's the inside—multiply. Square units on the inside. <u>Watch this video for action of the song.</u> https://youtu.be/Xk-PyhjFWw4

EXPLANATION WITH VIDEO (5 MIN)	Teacher will show the flash cards of shapes and ask the students to identify the shapes. Students were shown the objects of different sizes of same shape and asked to compare the shapes which is bigger and which is smaller. Teacher explains the concept of area and the usage of area in the daily life using the video. Students are asked to view the video and understood the concept of area https://drive.google.com/file/d/1bq0QZDC9spPSYhC62KSxpv1LRn-fqPbb/view?usp=sharing
PPT WITH EXPLANATION (10 MIN)	Teacher explained the concept of area and how to calculate the area by showing the PPT Now students will be asked to view the PPT based on area https://drive.google.com/file/d/1xpu972apjTw3-ft5qenmqv-hRo9D03M2/view?usp=sharing
CLASSROOM ACTIVITY WITH VIDEO AND OBJECTS (10 MIN)	Teacher asks the students to watch the video to understand the concept of area and how to find the area of regular shapes by counting the number of squares and by using the formulae for the shapes square and rectangle. https://drive.google.com/file/d/1bi12hE6apdpqw15EvbQnkdCpLP7trxzd/view?usp=sharing Students made their name banner and calculated the area of each letter and the total area of their names.

QUESTIONING &
DISCUSSION THROUGH
ACTIVITY USING THE
SHAPES CARD : (5 MIN)

Teacher will give the shapes card to each student and ask them to find the area of the given card by measuring the length and breadth of the given shape
Students measure the length and breadth of the given cards and find the area of the same.

CLOSURE (5 MIN)



Teacher using a paper clip and pencil to made the spinner. Students are asked to spin the spinner two times and draw a rectangle with the length and width of the number spun. Students are asked to find the area of the rectangle and asked to draw as many rectangles they can draw on one page.

Students are asked to attend the online test on the concept area.

https://docs.google.com/forms/d/e/1FAIpQLSdyfSzoQ27z2OpSZVh5FJ-284BBwqxAh7W8L029miHcpsXFQQ/viewform?usp=sf_link

SUGGESTED FIELD ACTIVITY (can be done in FW period)	  Students are given square inch printed colour paper to make their own shape to decorate the board or the wall.They can use four coloured square inch sheets to create the own shapes of their creativity. Students are asked to write the measurement/ area of their shape or the design.
HOME LEARNING	Worksheet will be given to the students to solve from home. Worksheet-1: https://drive.google.com/file/d/1votB5kd2PmCHIIZHWHGhQyq2dh54YF8NG/view?usp=sharing
EXTERNAL RESOURCES	NCERT book CLASS V – Maths Videos/ images from internet.