



CLASS V

SUBJECT: MATHEMATICS

TERM 1 (2020-21)

PROJECT : SHAPES AND FIGURES

Name - \_\_\_\_\_ Class/ Sec - V \_\_\_\_\_ Date-29.05.2020

Dear children, if you look around, you will find mathematical shapes everywhere.

For example: If you look closely at a woven fabric you will see that it is made up of several horizontal and vertical lines. A weaver - whether from Kashmir, Himachal Pradesh or Tamil Nadu uses geometrical patterns to create design on the weave.

**WORLI ART** is a beautiful art form that uses shapes



**Tessellations** is an example of patterns/designs that do not have gaps and are found on floor, ceilings and tiles.

### What are Tessellations?

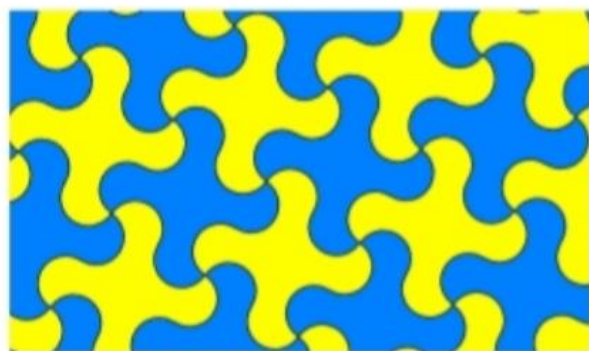
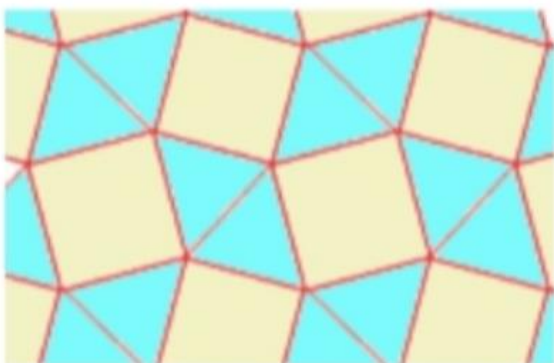
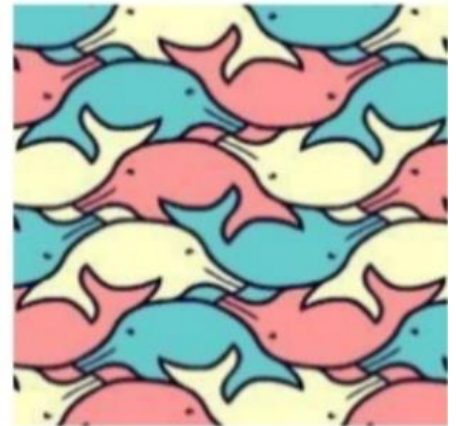
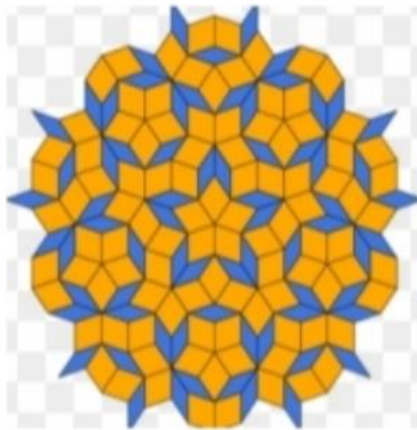
A tessellation is a combination of shapes that fit together perfectly without any gaps., much like a jigsaw puzzle. The result is a symmetric design of repeating patterns, which may feature animals, persons or anything else.



Tessellations are found EVERYWHERE - in the classroom, in nature, or at home! Some common places where you can find tessellating patterns in:

- Textiles (curtains and rugs)
- A soccer ball
- A basketball
- Tiled ceilings and flooring
- The brick foundation of a home
- A metal fence
- honeycomb pattern in bee hives
- on historical buildings.

Some examples of tessellating patterns are shown here:



Click on the link given below to find out more about Tessellations:

[https://www.youtube.com/watch?v=Lg19NvW\\_sU](https://www.youtube.com/watch?v=Lg19NvW_sU)



## ACTIVITY TIME

**Now that you know about Tessellations, wear your thinking caps and design your own pattern of Tessellation.**

Here are some points to remember:

- Each one of you will prepare a **POWER POINT PRESENTATION** to present your design.
- The presentation should have **4 slides**.
- The first slide should display the **TITLE** and your name.
- The second slide should have a brief introduction about Tessellations.
- The third slide should have the design /pattern.
- The last slide should display at least **4 examples** of Tessellations.
- Each one of you will share the PPT in the google classroom/ OR present it in the Online Class next week.

## WORDLY WISE

WEEK- VI

DAY-4(29.05.2020)

Dear children, today we are going to use the five new words that we have learnt during this week to complete the given paragraph. The words are given here for ready reference-

**potential, versatile, phenomenon, curiosity, resilient**

Sachin Tendulkar is one of the most \_\_\_\_\_ cricketers of all times. He started playing cricket at the age of four. His brother saw great \_\_\_\_\_ in him and started training him. Sachin always played with passion and showed \_\_\_\_\_ to learn new things. Even in difficult times he remained calm and \_\_\_\_\_. Due to all these qualities, he has become India's divine \_\_\_\_\_ and a source of inspiration for everyone.

### VOCABULARY ENRICHMENT

Children, in this section, we have been learning two new words everyday, which can be used in place of using 'very' with a descriptive word, thereby helping ourselves develop our language better. Here are the two new words for today:

**very creative– innovative-** The company manufactures a large range of **innovative** products.

**very confused- baffled-** The disappearance of the dinosaurs has baffled the scientists for many years.

You must try and make use of them while conversing with others.