

TESSELLATION



REFERENCES

A LEARNING COMMUNITY PROJECT
UCC 101/MATH 011

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Tessellations

WHAT IS A
TESSELLATION?

TESSELLATION

DEFINITION:

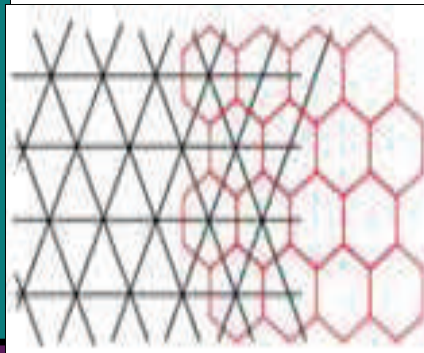
A TESSELLATION IS CREATED WHEN A SHAPE IS REPEATED OVER AND OVER AGAIN COVERING A PLANE WITHOUT ANY GAPS OR OVERLAPS.



Regular Tessellation:

A regular tessellation is a tessellation made up of congruent regular polygons (REGULAR means that the side and angles of the polygon are all equivalent). Now CONGRUENT means that the polygons that you put together are all the same size and shape.

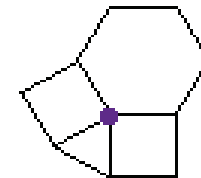
3.3.3.6.6.6



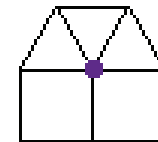
Semi-regular Tessellation:

A semi-regular tessellation has two properties which are:

1. It is formed by regular polygons.
2. The arrangement of polygons at every vertex point is identical



3.4.6.4



3.3.3.4.4