Science Lab

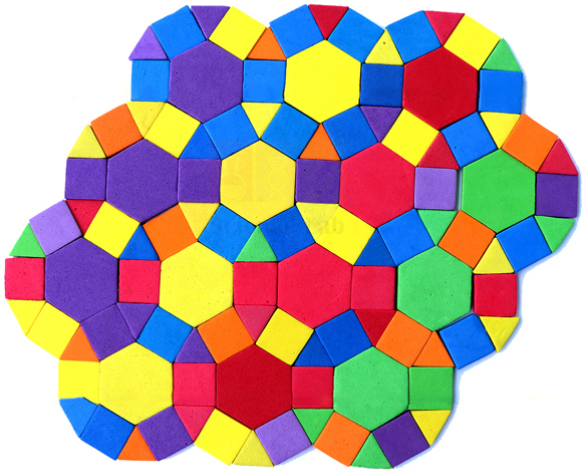
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Product Name :

Tessellation Kit

Product Code :

SLE/LP/14



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Description :

Tessellation Kit (Product Code: SLE/LP/14) is a set of coloured rubber polygon tiles used to explore tiling, shape sense and the angle properties of polygons in school maths. It includes triangles, squares, small rhombi, pentagons, hexagons, heptagons, octagons and dodecagons, and the pieces stick to any smooth surface once they are wetted. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a school science kit supplier in India, as school lab equipment for groups of up to 4 learners aged 8–16 years.

Specifications

Parameter	Detail
Shapes	Triangles, squares, small rhombi, pentagons, hexagons, heptagons, octagons and dodecagons
Material	Rubber
Colours and size	Different colours; pieces of the same size
Mounting	Can be pasted on any smooth surface after making the pieces wet
Group size and age	Up to 4 children, 8–16 years
Suitable for	Group work and maths labs
Activity guide	Write-up with details of the activities
Concepts	Tiling a region with one shape; shapes that do and do not tessellate; polygon properties and angles; combinations in which regular polygons tessellate; pattern and design making
Product code	SLE/LP/14
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Tessellation Kit Used For?

Children begin by trying to cover a region with copies of just one shape. Squares, triangles and hexagons fit together without gaps, but pentagons will not, however they are turned. Asking why leads straight to angles: the corners that meet at a point must together make a full turn, and a pentagon's angle does not divide that turn evenly.

Older students then mix shapes to discover every combination in which regular polygons can tile a surface — octagons with squares is a classic first find — and record the angle facts that make each one work. Because the wetted rubber pieces cling to a whiteboard, window or tabletop, a group's pattern can be displayed and discussed without glue, making the kit a flexible part of a school lab setup for geometry.

Supplier

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