

No. 15276

Tessellations Glassine Paper



Français au verso

Turn complex mathematical patterns into art! We've printed 8 tessellation patterns in bright colors onto semi-transparent paper. Make wild designs by overlapping the sheets to create more complex patterns or color in the patterns with markers, highlighter or crayons.

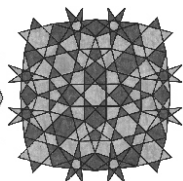
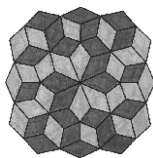
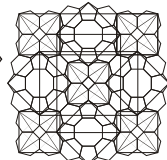
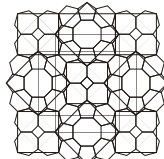
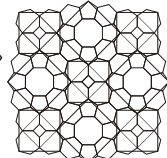
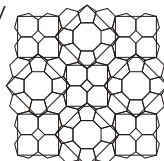
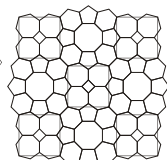
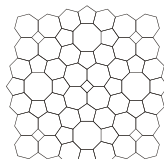
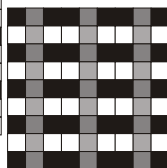
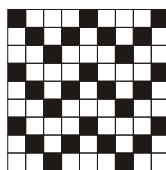
A tessellation is a repeating pattern of tiles or shapes that can be extended infinitely. The shapes making up a tessellation are typically polygon or similar regular shapes like square, triangles and hexagons. The shapes are repeated without overlapping or leaving gaps.

Introduce your students to the concept of tiling by demonstrating a simple tessellation using regular squares on a chalkboard, whiteboard or overhead projector. Color in the squares in a regular pattern. Hand out grid paper to students and ask them to create their own patterns by filling in the squares in a sequences, i.e. ABABAB, in specific colors.

Create more complex patterns with our reproducible tessellations grid. Photocopy one sheet per student. Encourage student to use a ruler to join significant points on the basic grid in a regular fashion. The trick is to start with a simple pattern and repeat it across the entire sheet. Repeat with another simple pattern over the entire sheet. With each pattern the overall design becomes more complex and interesting. Color in the finished pattern. Tip: Use the simplest grid pattern from the package and demonstrate on an overhead projector.

Create beautiful patterned paper! Cut the glassine paper in half and give each student two different sheets. Color in the pattern and overlap the designs. Display finished artwork on a window.

Look for other everyday examples of tessellations. Check out brick walls, tiled floors, quilts, lace tablecloths, wallpaper, textiles and artwork. M.C. Escher created many unique and fascinating works of art based on the mathematics of tessellations. Show students some example of his artwork and encourage them to create their own.



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