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## **INTRODUCTION TO TESSELLATIONS**

**Dale Seymour and Jill Britton**

At last, a definitive book introducing the intriguing geometric world of tessellations. Written in a clear, understandable style, this comprehensive guide explores

- properties of tessellating polygons
- regular and semiregular tessellations
- symmetry and transformations
- scores of techniques for generating tessellating designs
- a collection of special investigations
- the star polygons of Islamic art
- the ingenious tessellations of modern artist M.C. Escher

**INTRODUCTION TO TESSELLATIONS** is a complete resource book with hundreds of detailed graphic illustrations. It takes you from the simplest fundamental concepts to the intricate and exacting procedures of creating Escher-like designs.

Step-by-step visuals demonstrate exactly how successful tessellations are created. You'll merge geometric problem-solving skills with artistic exploration as you discover the fascination of these infinitely repeating patterns of line and shape.

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The variety is endless—you'll find polygonal shapes tessellating singly and in combination; patterns with star polygons, polyominoes, letters, and curved shapes; and samples of Islamic art designs.

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