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Nota di contenuto	; Preface -- Twenty key icons of mathematics -- The bride's chair -- Zhou Bi Suan Jing -- Garfield's trapezoid -- The semicircle -- Similar figures -- Cevians -- The right triangle -- Napoleon's triangles -- Arcs and angles -- Polygons with circles -- Two circles -- Venn diagrams -- Overlapping figures -- Yin and yang -- Polygonal lines -- Star polygons -- Self-similar figures -- Tatami -- The rectangular hyperbola -- Tiling -- Solutions to the challenges -- ; References -- ; Index -- ; About the authors.
Sommario/riassunto	Icons of mathematics are certain geometric diagrams that play a crucial role in visualizing mathematical proofs, and in the book the authors present 20 of them and explore the mathematics that lies within and that can be created. The authors devote a chapter to each icon, illustrating its presence in real life, its primary mathematical characteristics and how it plays a central role in visual proofs of a wide

range of mathematical facts. Among these are classical results from plane geometry, properties of the integers, means and inequalities, trigonometric identities, theorems from calculus, and puzzles from recreational mathematics.