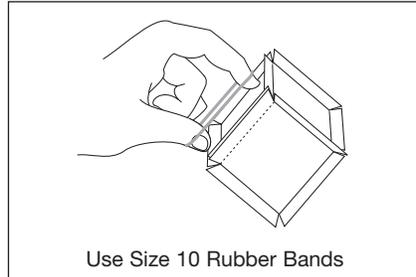


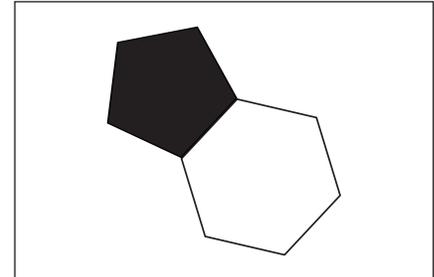
Elastic Geometrics



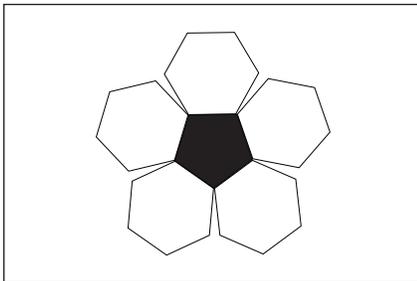
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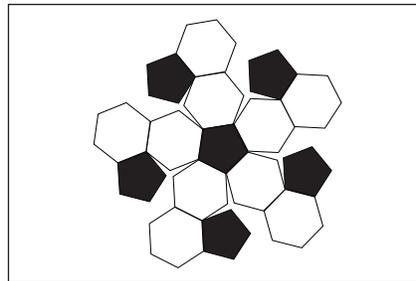
2



3



4



5

Elastic Geometrics are specially designed for creating a variety of polyhedra. Combined different 2-D shapes such as a hexagon and triangle to form unique polyhedra.

Each die-cut shape comes with a perforated tab to hold an elastic rubber band. Without the use of glue or tape, polyhedra may be taken apart, reassembled or reconfigured to create different polyhedra.

The teacher will die-cut the materials for student use prior to the lesson.

1. Begin with simple polyhedra. Six squares combine to make a cube. Four triangles combine to make a pyramid. Move on to more complicated polyhedra. The truncated octahedron is made from eight hexagons and six squares. For a dynamite math learning experience, have students make a soccer ball (truncated icosahedron) from 20 hexagons and 12 pentagons.
2. Size 10 rubber bands are needed to create polyhedra; however, glue can also be used to assemble polyhedra.
3. To create a soccer ball, attach a white hexagon to one side of a black pentagon. Repeat 9 times for a total of 10.
4. Attach white hexagons to the sides of the black pentagons. Repeat once for a total of two.
5. Attach a hexagon/pentagon to each hexagon shown in Step 4. This forms half of a soccer ball. Repeat this step to create the second half of the soccer ball. Assemble the two halves to form a soccer ball.

Elastic Geometrics (2 Die Set) A11250