

Use using 24 straws make a shell for a solid that contains 6 squares.

This shape is called a hexadron or a square prism.

Use using 16 straws make a shell for a solid that contains 4 triangles and 1 squares.

This shape is called a square pyramid.

Use using 30 straws make a shell for a solid that contains 2 pentagons and 5 squares.

This shape is called a heptahedron or pentagonal prism.

Use using 20 straws make a shell for a solid that contains 1 pentagon and 5 triangles.

This shape is called a pentagonal pyramid or a hexahedron.

Use using 60 straws make a shell for a solid that contains 12 pentagons.

This shape is called a dodecahedron.

Use using 18 straws make a shell for a solid that contains 3 squares and 2 triangles.

This shape is called a triangular prism or a pentahedron.

Use using 48 straws make a shell for a solid that contains 8 squares and 2 octagons.

This shape is called a decahedron.

Use using 12 straws make a shell for a solid that contains 4 triangles.

This shape is called a tetrahedron or a triangular pyramid.

Use using 18 straws make a shell for a solid that contains 3 squares and 2 triangles.

This shape is called a triangular prism or a pentahedron.

Use using 36 straws make a shell for a solid that contains 6 squares and 2 hexagons.

This shape is called a hexagonal prism or an octahedron.

Use using 18 straws make a shell for a solid that contains 6 triangles.

This shape is called a triangular antiprism or a hexahedron.

Use using 32 straws make a shell for a solid that contains 8 triangles and 2 squares.

This shape is called a rectangular antiprism or a decahedron.

Use using 40 straws make a shell for a solid that contains 2 pentagons and 10 triangles.

This shape is called a pentagonal antiprism or a dodecahedron.

Use using 54 straws make a shell for a solid that contains 14 triangles and 2 hexagons.

This shape is called a hexagonal antiprism.

Use using 60 straws make a shell for a solid that contains 20 triangles.

This shape is called a icosahedron.

Use using 24 straws make a shell for a solid that contains 8 triangles.

This shape is called a octahedron.

Use using 24 straws make a shell for a solid that contains 2 squares and 4 rectangles (cut 4 of the straws to make rectangles).

This shape is called a rectangular prism.

Use using 24 straws make a shell for a solid that contains 2 congruent trapezoids, 1 square and 3 rectangles. (Cut 15 straws to make the trapezoids and rectangles).

This shape is called a trapezoidal prism.