

9.1 Solid Figures

Goal: To be able to identify and name solid figures

State the number of sides of each polygon.

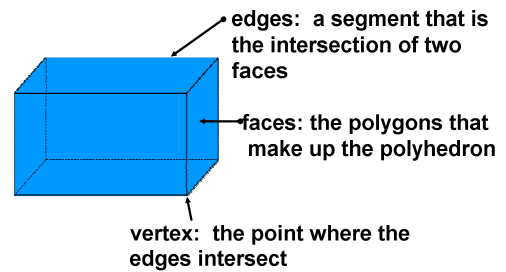
1. quadrilateral
2. heptagon
3. pentagon
4. octagon
5. hexagon

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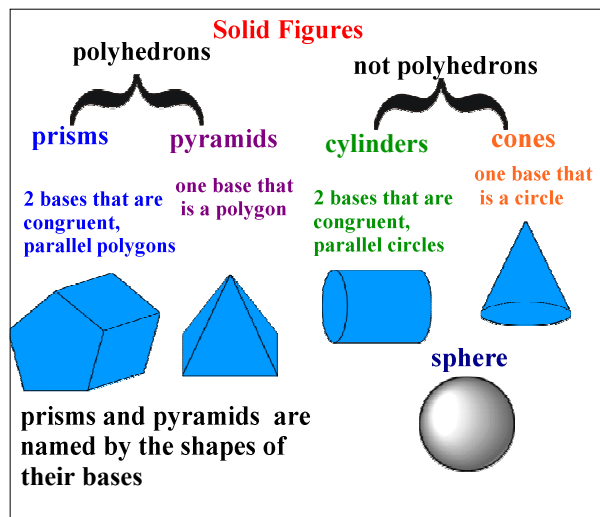
VOCABULARY

Three-dimensional shapes are called **solids**.

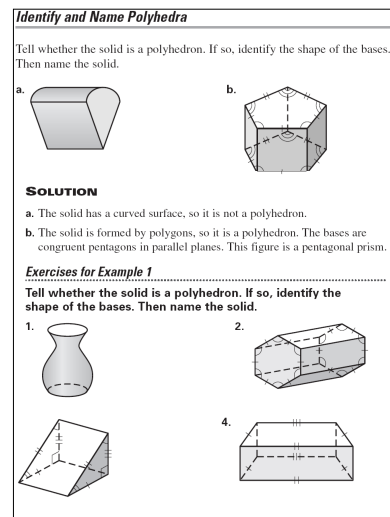
When a solid is formed by polygons, the solid is called a **polyhedron**.



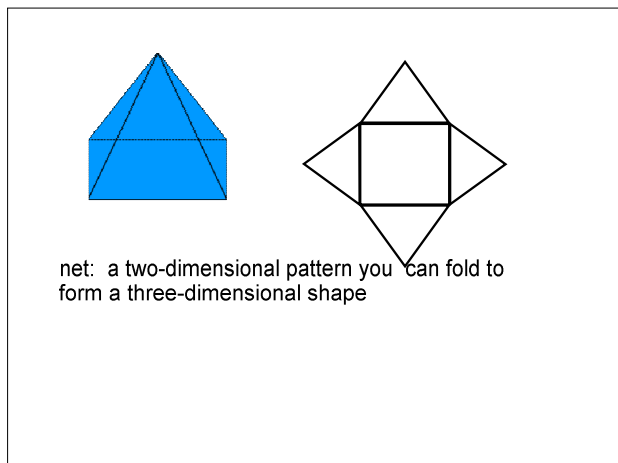
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polyhedron	No. of faces	No. of vertices	No. of edges
Cube			
Triangular Pyramid			
Triangular prism			
Square Pyramid			
Rectangular Prism			

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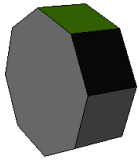
Euler's Formula is true for all polyhedrons

$$F + V = E + 2$$

How many vertices do the
following solids have?

Octagonal Prism

10 faces, 24 edges



pentagonal pyramid

6 faces, 10 edges



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