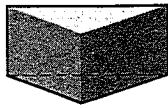


Solid Figures

There are a variety of different solid figures.



Triangular prism



Cube



Rectangular prism



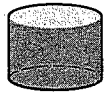
Rectangular pyramid



Triangular pyramid



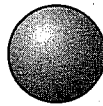
Hexagonal pyramid



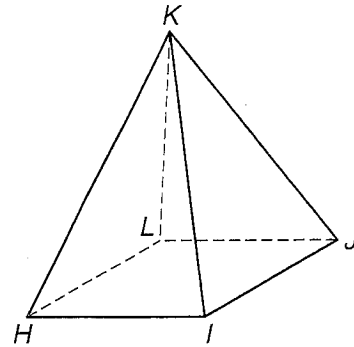
Cylinder



Cone



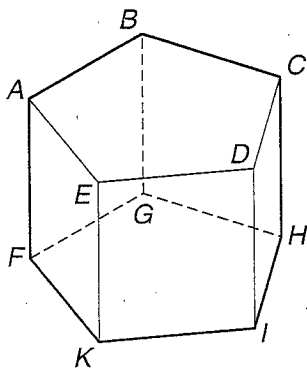
Sphere



The polyhedron above is a square pyramid. The vertices are \overline{H} , \overline{I} , \overline{J} , \overline{K} , and \overline{L} . The edges are \overline{HI} , \overline{IJ} , \overline{JL} , \overline{LH} , \overline{HK} , \overline{IK} , \overline{JK} , and \overline{LK} . The faces are \overline{HIJL} , \overline{HIK} , \overline{IJK} , \overline{JLK} , and \overline{HLK} .

Classify the polyhedron. Name all vertices, edges, and faces.

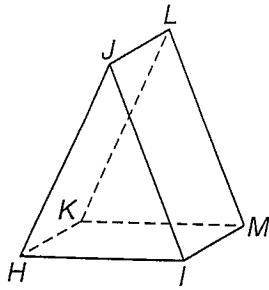
1.



Solid Figures

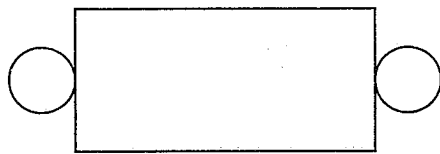
Classify the polyhedron. Name all vertices, edges, and faces.

1.

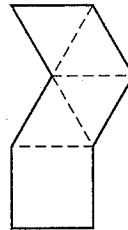


Identify the solid represented by each net.

2.



3.



4. Which solid figure is a round cake? _____

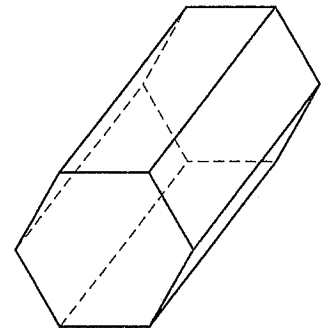
5. How many total faces are on 6 number cubes? _____

6. Factories often buy the boxes they need in the form of flat nets. Can you think of what advantage this might have?

Test Prep

7. Which is the name of this polyhedron?

- | | |
|-----------------------|----------------------|
| A. Rectangular prism | B. Hexagonal prism |
| C. Pentagonal pyramid | D. Octagonal pyramid |



8. **Writing in Math** Describe the similarities of a pentagonal pyramid and a pentagonal prism.
