Three Dimensional Shapes

1. Fill in the blanks.

- a. The number of lateral faces of a cuboid is ______.
- **b.** A cuboid, all of whose edges are euqal, is called a ______.
- c. Two adjacent faces of a cuboid meet in a line segment called its ______.
- **d.** All six faces of cuboid are ______ in shape and of ______.
- e. If the base of a prism is a triangle, then it is called a _____ prism.
- f. The adjacent angles of a parallelogram are ______.
- g. A quadrilateral has two non equal diagonals, these diagonals bisect each other at right angles. It is a ______.

2. Write T for true and F for false statements.

- a. A cuboid has eight vertices.
- **b.** A cuboid has six faces.
- c. A cuboid has fourteen faces.
- **d.** Number of faces in a cuboid and the number of faces in a cube are equal.
- e. The radius of the base circle is called the radius of the cone.

3. How are a cube and a cuboid different from each other?

4. Match of following:

Column A	Column B		
a. Triangular Pyramid	i. Quadrilateral pyramid		
b. Points where edges meet	ii. Cone		
c. Surface	iii. Tetrahedron		
d. Square pyramid	iv. Verticles		
e. Edge of pencil	v. Face		

5. In the figure, there is a prism. Write down:



- 7. Define the following.
 - a. Hexagon
 - b. Heptagon
 - c. Cube
 - **d.** Pyramid
 - e. Base of Cylinder
- 8. Write two examples for each of the shapes.

d. Cuboid

9.	Choose the correct option.				
	a.	Each face of cub	e isi	n shape.	
		i) square		ii) cone	
		iii) pyramid		iv) cylinder	
	b.	A solid generate as:	ed by the revolutio	n of a rectangle about	one of its sides is known
		i) cube		ii) cuboid	
		iii) pyramid		iv) cylinder	
	c.	c. Each face of cube is in shape.			
		i) square		ii) rectangle	
		iii) kite		iv) parallelog	ram
	d.	Number of corn	ers in a cube are		
		i) 6	ii) 4	iii) 8	iv) 2
	e.	A prism has	edges ar	nd vertic	es.
		i) 9, 6	ii) 5, 12	iii) 6 <i>,</i> 9	iv) 9, 18
	f.	f. A cuboid whose, length, breadth and height are equal is known as			
		i) cube		ii) triangle	
		iii) sphere		iv) pyramid	
	 g. A solid whose base is a plane rectilinear figure and whose side faces are triangle having a common vertex outside the plane of the base. This figure is known as 				e side faces are triangle
		i) pyramid		ii) prism	
		iii) pentagon		iv) sphere	

- 10. Draw a diagram to represent a cuboid. Label its vertices as K, L, M, O, P, Q, R and S. Write the names of its faces and edges.
- **11.** Classify the following as polygons or solids.

12. Name the solids in the following figures.

