Department of Education, Sabaragamuwa Province – Weekly School

Grade: 6 | Subject: - Mathematics | Week: 29

Unit : - Solids (Second week)

Number of Periods: - 08

- Get a die and mark its faces as 1, 2, 3, 4, 5 and 6. Keep the face with number 1 on a paper and draw around the edges using a pencil. What shape of the figure that you got? Compare the rest of the faces by keeping them on the figure.

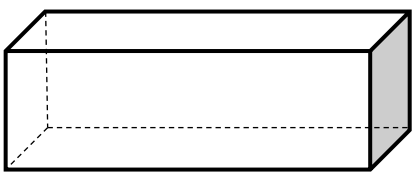
I. How many faces are there?
II. Do all the faces have same shape?
III. Do all the faces have same size?
IV. How many edges are there?
V. Do all the edges have same length?
VI. How many vertices are there in a die?

Solids like a die are called as cubes.

- Get a match box and draw around its edges using a pencil. Collect information about the figure you get.

Shape of a brick and match box are known as cuboid.

- Name the edge, face and vertex of the following cuboid.



- Learn the pages 76 and 77 thoroughly. Draw the net of the cube shown in the activity 2 on a Bristol board. Get the model of the cube by pasting the parts that are to be pasted.

- Complete the exercise 17.2 on the page 78 of the text book. Discus the problems you face, with your teacher and get then resolved.

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- Learn the pages 78 and 79 thoroughly. Draw the net of the cuboid shown in the activity 3 on a Bristol board. Get the model of the cuboid by pasting the parts that are to be pasted.

- Complete the exercise 17.3 on the pages 80 and 81 of the text book. Discus the problems you face, with your teacher and get then resolved.

- Learn the pages 81 and 82 thoroughly. Draw the net of the regular tetrahedron shown in the activity 3 on a Bristol board. Get the model of the regular tetrahedron by pasting the parts that are to be pasted.

The tetrahedron with all faces identical to each other and all edges with the same length is called as the regular tetrahedron.

- Complete the exercise 17.4 on the pages 83 and 84 of the text book. Discus the problems you face, with your teacher and get then resolved.

Complete the table given below.

Name of the solid	Number of edges	Number of vertices	Number of faces	Shape of the face
Regular tetrahedron				
Cube				
Cuboid				

Solid made by combining two or more solid objects is known as a compound solid.

Understand the activity 5 on the page 84 of the text book.

- Complete the exercise 17.5 on the page 85 of the text book. Discus the problems you face, with your teacher and get them resolved.