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Subject: - Mathematics	z <u>School Denartment of Education</u> , Sabaragamuwa Province/ Weekly Schoo amuwa Province/ Weekly School Department of Education ekly School Denartment of Education Sabasagamuwa	Week: - 9 (1 st Term)
Grade: - 8	Internet of Education, Sabaragan Internet of Education, Sabaragan Internet of Education, Sabaragan Internet of Education, Sabaragan Prepared by- Zo Embilipitiya	onal Education Office

(Learning Time 3Hours)

<u>Solids</u>

- An object which has a specific shape and which occupies a certain amount of space is called a solid object.
- The surfaces of solid objects are plane surfaces or curved surfaces.
- Construct the models of solids for a cube, a cuboid, a regular tetrahedron, a square pyramid and a triangular prism by recalling the subject points about solids in grade 6 and 7.
- Do the review exercise by using the models of solids that you have made.
- 6.2 Regular Octahedron
 - A solids object which has eight identical equilateral triangular shapes is called a regular octahedron. By studying the Activity 1 in the pages no: 69 and 70, make a model of a regular octahedron. Find the features that you can identity in a regular octahedron.
- 6.3 Regular Dodecahedron
 - A solid which has 12 identical regular pentagonal faces is called a Regular Dodecahedron
 - By studying the Activity 2 in the pages no: 71 and 72, make a model of a Regular Dodecahedron. Find the features that you can identity in a regular dodecahedron.
- 6.4 Regular icosahedron
 - A solid which has 20 identical equilateral triangular faces is called a Regular icosahedron.
 - Identify the characteristics of a regular icosahedron by engaging in activity 3 in the pages no: 73 and 74.
 - Do the exercise 6.1

