

MATHEMATICS

SEPT 2013



Time: 10-25 min

Calculating Volume



CCSS.Math.Content.8.G.C.9

Know the formulas for the volumes of cones, cylinders and spheres and use them to solve real-world and mathematical problems



EXTENSION:

For more info, see page 17:
http://pacificaqua.org/Aqua_Curriculum.pdf

Volume Formula:

<http://www.math.com/tables/geometry/volumes.htm>

Practical application of classroom knowledge.

Scenario: For fish tubs of the type shown above: Calculate volume of the fish tub. Have students divide the tub into the rectangular prism and the two half-cylinders on each end.

Use the formula for calculating the volume of a cylinder and the formula for calculating the volume of a prism to find the total volume of the tub.

Page 17 of the Extension resource has other ideas for calculating volume.