



Aberdare Community School
Mathematics Department

WJEC GCSE
Higher – Non Calculator
Shape

Dimensions

Name:

Set:

Date:

Teacher:

17. Each of the following quantities has a particular number of dimensions. Give the number of dimensions of **each** quantity. The first one has been done for you.

Quantity	Number of dimensions
The capacity of a bucket	3
The surface area of the moon	
The length of an earthworm	
The distance from Llandudno to Cardiff	
The volume of water in a bottle	

[2]

14. In each of the following formulae, every letter stands for the measurement of a length. By considering the dimensions implied by the formulae, write down, for each case, whether the formulae could be for a length, an area, a volume or none of these. The first one has been done for you.

	<u>Formula could be for</u>
$r^2 + dh$	area
$r^2(2d - h)$
$3d + 2h - r$
$5r + 6dr + 2d$

[1]