

Year 6 Term 4 Week 3

Monday Mathematics

Topic: Volume, Capacity

Area is measured in square units eg cm^2

Volume is measured in cubed units eg cm^3

Capacity is a measure of how much something can hold, before it becomes full.

1 millilitre = 1 cm^3

1000 millilitres = 1 litre

Try this first

Go to: e-ako.nzmaths.co.nz

Geometry e-ako

- Go to the measurement pathway in e-ako maths
- Choose e-ako M3.8 (8th yellow button; 3rd row)
- Work through pages 1-16

Find a collection of 5 different containers. These can be cups, glasses, jars, bowls, or bowls, or a mix of these items. I wonder which holds the most/least liquid? Use estimation first all. How could you find out?

Fill in the table below.

Item	Estimate mL or L	Actual



Task

An Olympic sized pool holds 33 times as much water as Mrs Barclay's pool. How many Litres of water is in an Olympic sized pool and how much would this weight? Explain and prove your thinking.

Now try this ...

Measuring Just 1 Litre Puzzle

Imagine having three bowls, with the following capacities:

In bowl A (8 litres capacity) are 5 litres of water.

In bowl B (5 litres capacity) are 3 litres of water.

In bowl C (3 litres capacity) are 2 litres of water.

Can you measure exactly 1 liter, pouring only 2 times?

