

## Section 1: Estimation

Collect some open plastic containers, such as bowls and buckets. Estimate how much water each can contain. Measure to check.

## Section 2: Splash

Use a dropper to release a drop of water from different heights onto a piece of paper. Measure the diameter of the splash.

Record your results in a table.

## Section 3: Mass

What is the mass of 1 litre of water at different temperatures? Draw a table for your results.

## Section 4: Measuring Container

Create your own measuring container using a plain plastic bottle. Mark your container in units of 25 ml.

## Section 5: A Drink of Water

Morgan and Mart have a 500 ml bottle of water. Mart drinks 60 ml more than Morgan as they drink the whole bottle. How much do they each drink?

## Section 6: Bucket of Water

A bucket of water has a hole in the bottom. At 10:00, the bucket is full and has 23 litres. After 20 minutes 1 litre of water has drained out of the hole. At what time would the bucket be expected to be empty?

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**Water is most dense at 4°C, and it is at this temperature that 1 litre pure water has a mass of 1 kg. At other temperatures the mass will decrease.**

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**Mart 280 ml, Morgan 220 ml**

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**17:40**