

Please try to access at least **two** of these at least **3 times** a week to support your mental maths! Email your teacher for any logins, if required.



[NUMBOTS](#)



[TT ROCKSTARS](#)



[MATHLETICS](#)



Ask your parent to create a free account. Then use class code: **457B05**

Mass and capacity

Check list

Task 1: Compare mass

Today, we will be comparing the mass of different objects. This means seeing which items are heavier or lighter than each other.

Step 1: Watch this short video to learn about the difference between mass and weight [here](#)

Extra, brilliant, videos can be found on YouTube [here](#) or [here](#)

Step 2: Now, make a homemade seesaw so you can compare the mass of objects!



Some ideas for a seesaw at home could be a plank and brick, a book/card and small flat object.



In school, you could use a ruler and a rubber like this idea or a thin book?



Ask your teacher for some objects you can balance, which can be cleaned afterwards! Even if you do it outside!

Step 2: Find different objects and place them on each side of your seesaw.

Which are heavier or lighter?

Can you find different objects with the same weight? What happens to the seesaw?

Can you find a small object which is heavier than a larger object?

Step 3: Now, have a go at these comparing activities here

[I need practise with mass activity \(Year 2\)](#)

[I feel confident with mass activity](#)

[Comparing mass challenge activity](#)

Task 2: Add and subtract mass

Today, we will be adding and subtracting grams or kg.

If you have some scales at home that are a little like these try this...



Step 1: Add different items into your scales and read the scale! Take out an object at a time and see if you can work out how much each of them weigh by subtracting the amounts!

If you don't have scales at home or are at school, try this step instead...

Step 1: Try these interactive scales to add objects to the scales, read the scale and subtract objects off the scales!

[Interactive scales 1](#)

[Interactive scales 2](#)

[Interactive scales 3](#)

[Measuring mass game](#) - Make sure you click on mass!

Now, everyone have a go at **Step 2:** Have a go at these adding and subtracting activities here

[I feel confident with adding and subtracting mass](#)

[Add and subtracting mass challenge activity](#)

Task 3: Measure capacity

Do you know what capacity is?

Step 1: Watch this video to learn about capacity [here](#)

YouTube link is [here](#)

Now, learn about measuring jugs by watching the video [here](#)

YouTube link is [here](#)

At home activity:

Step 2: Fill a bowl of water, swimming pool or bath and play with water! Find different containers you can fill up. Do they all take the same amount? Can two different shaped containers hold the same amount? Investigate!

If you have a measuring jug in the cupboard, you could learn how to read the scale with an adult!



At school activity:

Step 2: Ask your teacher to get you a bowl of water, some containers and a measuring jug. (Let them know there are containers in the Year 3 classrooms they can borrow. They will just need to find a large bowl for you and a measuring jug, which we do have in school)

Use the different containers you can fill up. Do they all take the same amount? Can two different shaped containers hold the same amount? Investigate!

Task 4: Measuring capacity

Step 1: Watch this video on capacity [here](#)
YouTube link is [here](#)

Step 2: Play these measuring capacity games here

[Measuring capacity game 1](#)

[Measuring capacity game 2](#) - Make sure you click on capacity!

Step 3: Now, have a go at these capacity activities here. Try at *least two or more*! The first two are very quick!

[Reading millilitres activity](#)

[Reading litres activity](#)

[Reading capacity challenge 1](#)

[Reading capacity challenge 2](#)

Task 5: Compare capacity

Step 1: Watch [this video](#) to learn about comparing capacity.
YouTube video link [here](#)

At home activity:

Step 2: Get your water bowl and containers out again. Can you find two different shaped containers than actually takes the same amount? If you have a measuring jug, can you pour the same amount of water into different containers to see what it looks like.

If you don't have a measuring jug, ask your parents to find a container which says the amount of liquid in it, for example as coke bottle and use this instead!

At school activity:

Step 2: Ask your teacher to get you a bowl of water, some containers and a measuring jug. (Let them know there are containers in the Year 3 classrooms they can borrow. They will just need to find a large bowl for you and a measuring jug, which we do have in school)

Can you find two different shaped containers than actually takes the same amount? If you have a measuring jug, can you pour the same amount of water into different containers to see what it looks like.

Now, everyone have a go at Step 3: Have a go at these comparing capacity activities here.

[I still need practise to compare capacity \(Year 2\)](#)

[I feel confident at comparing capacity activity](#)

Extra maths:

[Multiplication and division code breaking task](#)

[Money code breaking task](#)

[Statistics \(charts and graphs\) code breaking task](#)

[Maths games and activities pack](#)

[Times Table challenge \(Year 2-3\)](#)

[Times Table challenge \(Year 3-4\)](#)

[Don't forget your maths skills challenges \(Year 2-3\)](#)

[Don't forget your maths skills challenges \(Year 3-4\)](#)

Extras online tasks:



1. You should hopefully have access to the [Mathletics](#) mass and capacity lessons to have a go at if you want!



2. Want more challenges? Go to [nrich here](#) to have a go at more problem solving challenges!



3. Not keen on TT Rockstars, but like dinosaurs? This is a free dinosaur themed Times Table game. Search **Times Tables Go!** on Android or iPhones app stores to download.