Task 1   Bath Time Maths Lesson! All about Capacity

You will need: A nice warm bath! A supervising adult!

PLASTIC containers /Tupperware jugs/plastic jugs. Not too crowded but maybe about 5 different vessels. Have some fun pouring and tipping out. Practise making the a container full, half full and even a quarter full If you tip the water from one container into another different shaped container is the new container full? Or has it got more capacity?

That means has it some more room. **CAPACITY** is the measure of space. Usually when we talk about capacity we are thinking about liquid and how much liquid is in a space.

Hope you have lots of fun!

Task 2   We measure capacity in litres.

Inspect a measuring jug. Can you see how many millilitres there are in a litre? Yes that's right there are 1000.

With your parents supervision can you carefully get a collection of sauce bottles and cartons out of your store cupboard and look to see what their capacity is.

Well done for tidying everything away!

Now arrange them in order of sizes on your Chart.

Make a chart with 3 columns.

Below 500ml	500ml to 1 litre	1 litre and over
Orange carton	Honey jar	Milk carton

List your liquids in the columns, which column is the longest?

Task 3   Back in the bath!

A supervising adult at your side please.

With a plastic measuring jug and all your containers. A funnel is good too.

Measure 1 litre into your jug and tip it into a container. From there tip it into a different one. Does it look like it takes up more or less capacity? Does it really? How can you explain that?

Clever clogs!

Continue to measure and pour litres and half litres. Measure 100ml, 200ml, 300ml and so on. If a litre is 1000 litres then what is half a litre? **Have you got a squidgy sponge?** Get your sponge completely drenched. Squeeze the water into your jug. How much water is in the jug? So what is the capacity of the sponge? Where did the water go when it was in the sponge? How does a sponge absorb the water? What happens to the sponge when the water is all squeezed out?

Task 4   Problem solving with Capacity

The juice carton has leaked half of its contents. It should be 500ml. How much is left?

Half of an 800ml of shampoo has been used. How much is left?

Rabbit's water bottle held 400 ml. Rabbit drank a quarter of it. How much was left?

The giant slurped 3 quarters of an 800 ml smoothie. How much was left?

Dad used double the amount of 250ml in his ice cream recipe. How much did he use?

The tomato sauce bottle held 900ml. Charlie sploshed a third of the bottle on his burger! How much was left in the bottle?

Baby elephant squirted 3 litres of water at his mother. How wet was she? Damp? or Drenched?

Task 5   Doubling and Halving with Capacity

double 150ml   halve 500ml   double 350   halve 900ml   double 420ml   halve 1litre

double 130ml   halve 260ml   double 300ml   halve 440ml   double 270ml   halve 800ml

My clever elephants, you have worked so hard this week. Well done!