

## Measurement

## Need a coherently planned sequence of lessons to complement this resource?



Measwring Gapmeity

## Aim

- To measure capacity.


## Success Criteria

- I can use non-standard units to measure capacity.
- I can describe measurements of capacity.
- I can reason about capacity.


## Remember It

## Il her <br> If each container was filled, which would hold more?

Click the container to reveal the


## Remember It


If each container was filled, which would hold less?


## Remember It

## 

If each container was filled, which would hold the most?

cused education on life's walk! www.regentstudies.com

## Remember It

## If each container was filled, which would hold the least?



## Remember It

## Il her I IrAnNeimi sumal

Which container has the greatest capacity?
Whe
If each container was filled, which would hold the most?
container to reveal the answer.


The jar has the greatest capacity. The jar would hold the most.

## Remember It

## II her

Which container has the smallest capacity?

If each container was filled, which would hold the least?

Click the container to reveal the answer.


The carton has the smallest capacity. The carton would hold the least.

## Remember It

 www.regentstudies.com

## Measuring Capacity

Capacity is a measure of how much something can hold.

When something holds as much as it can, we say it is at full capacity.


## Measuring Capacity

How can we measure capacity?

Here's one idea.
Pick a container to measure its capacity.
Pick an object to use as a unit.

Make sure the units are the same size.

Count the number of units used to fill the container.

The jar has a capacity of 6 beads.

## Measuring Capacity

Can you find the capacity of the tube?


Count the number of cubes used to fill the tube.


Is the tube full yet?

Keep counting until it is at full capacity.


The tube has a capacity of 10 cubes.

## Measuring Capacity

Can you find the capacity of the tank?

Pick a unit.
Count the number of blocks used to fill the tank.


Is this correct?


## Measuring Capacity

What can we do to find out how much a container can hold?

Pick a smaller container to use as a unit to measure with. Fill it, then pour it into the container.

Count the number of units used to fill the container.


## Measuring Capacity

What is the capacity of the bowl? How much liquid can it hold?

Pick a smaller container to use as a unit to measure with.

Fill it, then pour it into the container.

Count the number of units used to fill the container

## Measuring Capacity

Can you find the capacity of the jug?

Pick a smaller container to use as a unit to measure with.

Fill the glass, then pour it into the jug.


Make sure that the units that you use are full.

The jug has a capacity of 4 glasses.

## Measure It

How many beakers of water do you think this jug will hold?


## Measure It

How many beakers of water do you think this bucket will hold?

Do you think it will hold more or less beakers of water than the jug?

Can you explain why?

This bucket holds 5 beakers of water.

## Measure It

How many beakers of water do you think this glass will hold?


This glass holds $\mathbf{2}$ beakers of water.

## Measuring Capacity

そ


To measure capacity.


You will need water or sand, cups, spoons and different containers to fill.
FHow many cupfuls will each container hold?



| How many spoonfuls will each container hold? |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Container bowl bucket   <br> Number of <br> Spoonfuls     |  |  |  |  |  |  |

## Which container holds the

 most spoonfuls?$\square$
Which container holds the fewest spoonfuls? The $\square$ holds the fewest spoonfuls.
spoonfuls. holds the most

leasuring Capacity
To measure capacity.

| or sand, a cup and a spoon to use as units to measure |
| :--- |
| zontainers to fill. |
| upfuls fill each container? |
|  | | bucket | Which container holds the most <br> cupfuls? |
| :--- | :--- |
|  | Which container holds the fewest <br> cupfuls? |

supfuls fill each container?

leasuring Capacity
 containers to fill.

, measure the capacity of you container.

| on | cup |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| 0 | B |  |  |  |
|  |  |  |  |  |

unit to measure the capacity of a small container?

## Diving into Mastery

Dive in by completing your own activity!


## Check It

Is this correct? How do you know?


I used 7 buckets of water to fill the paddling pool.


The paddling pool What do they need to remember? zed full capacity.
You need to keep

## Check It

Can they both be correct? How do you know?

The teapot will fill 5 cups.
The teapot will fill 8 cups.

Yes. They both used different sized cups. The teapot holds the same amount of liquid but it fills more of the smaller cups than the larger cups.

## Litres

This bottle holds a litre of liquid.

A litre is a unit that we use to measure liquid.

A litre is always the same amount of liquid, no matter what container it is in.


## Litres

Do these containers hold more than 1 litre, less than a litre or about the same as a litre?


## Aim

- To measure capacity.


## Success Criteria

- I can use non-standard units to measure capacity.
- I can describe measurements of capacity.
- I can reason about capacity.


