Measure Capacity

Adult Guidance with Question Prompts

Children use non-standard units to measure the capacity of different containers. They learn to measure with accuracy, using the same unit each time and ensuring that it is completely full. In this activity, children investigate how many small containers it would take to fill a larger container.

How many cups of grain fill one tray?

In cups, what is the capacity of one tray?

If two cups of grain fill one tray, how many cups of grain would fill two trays?

Is there a number pattern that could help you?

What if there were three trays?

What would come next? How do you know?

How many bowls has the bucket filled?

In bowls, what is the capacity of the bucket?

How many bowls would two buckets fill?

Can you see a number pattern? What would come next?

Can you use different containers with sand or water to make a capacity or volume challenge for your friend?

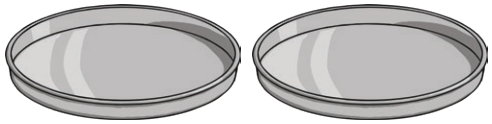
twinkl Quality Standard Approved

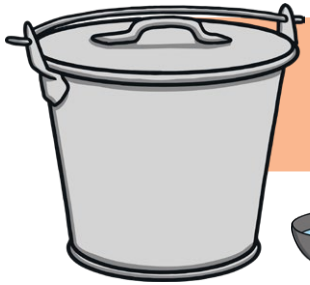
Measure Capacity

How many cups of grain fill 1 tray?

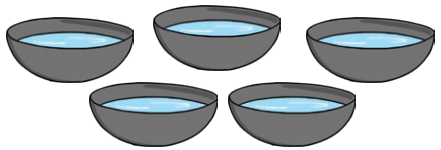
The capacity of 1 tray is _____ cups.

How many cups of grain would fill 2 trays?





One bucket of water will fill these bowls.



The capacity of 1 bucket is _____ bowls.

How many bowls can 2 buckets of water fill?

twinkl.com

Measure Capacity

Adult Guidance with Question Prompts

Children use non-standard units to measure the capacity of different containers. They learn to measure with accuracy, using the same unit each time and ensuring that it is completely full. They reason how many small containers it would take to fill a larger container.

True or false? How do you know?
How many pots would two sacks of soil fill? What about three?
What number patterns do you know that will help you?
How many sacks of soil would I need to fill 20 pots?

True or false? How do you know?
If it takes ten trowels of soil to fill one pot, how many trowels will it take to fill two pots?
Have you spotted a number pattern?
Can you use it to solve this challenge?
How many pots could I fill with 30 trowels of soil?

How many glasses are there? Are they all full?
True or false? Why do you think that?

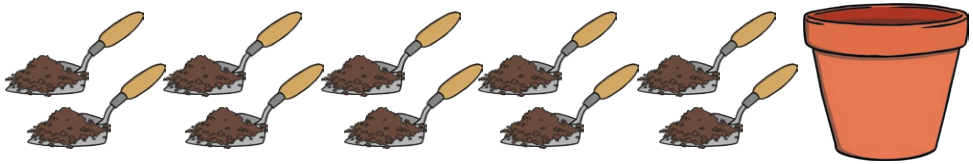
Can you use different containers with sand or water to make a capacity or volume challenge for your friend?

Measure Capacity

One sack of soil will fill these pots.

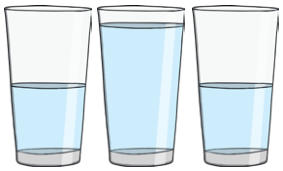
The capacity of 1 sack is 4 pots. True or false?

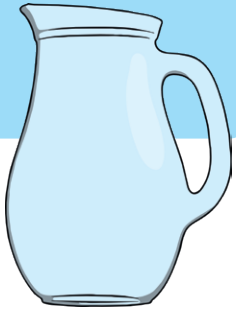
These trowels of soil will fill the pot.



The capacity of 1 pot is 10 trowels.
True or false?

I had a full jug of water then I poured it all into the glasses.





The capacity of 1 jug is 3 glasses. True or false?

twinkl.com

Measure Capacity

Adult Guidance with Question Prompts

Children use non-standard units to measure the capacity of different containers. They learn to measure with accuracy, using the same unit each time and ensuring that it is completely full. They solve a problem with more than one step about how many small containers it would take to fill a large container.

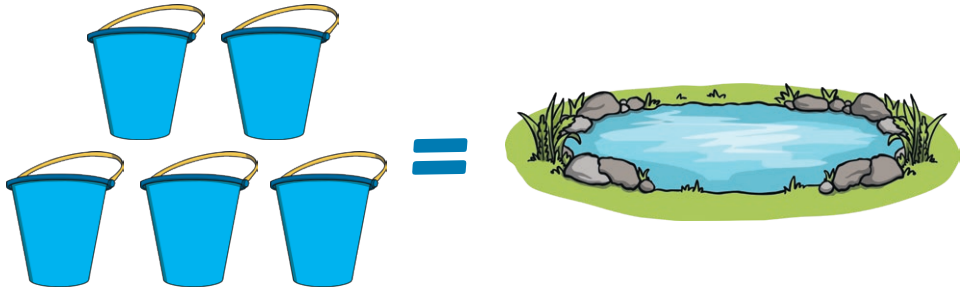
Which has the greatest capacity – the can or the bucket?
How do you know?
In cans, what is the capacity of one bucket?

In buckets, what is the capacity of the pond?
If you used cans of water instead of buckets, how many cans would you need?
What can you do to work this out?

How many cans would we need if there were two ponds to fill?
Which number pattern is helping you?
If five buckets fill one pond, how many ponds will ten buckets fill?
What about 20 buckets?

Can you use different containers with sand or water to make a capacity or volume challenge for your friend?

Measure Capacity



How many cans of water fill 1 bucket?

How many buckets of water fill 1 pond?

How many cans of water fill 1 pond?

How many cans of water will fill 2 ponds?

How many ponds can 10 buckets fill?

twinkl.com