

To be able to explore capacity and volume

Success criteria:

- ✓ I can use different containers, sand and/or water to explore the concept of capacity and volume, using phrases like “empty”, “full”, “almost empty” and “almost full”
- ✓ I can explain my reasoning when using the containers to explore the concept of capacity and volume, using phrases like “empty”, “full”, “almost empty” and “almost full”

What does that mean?

► Capacity

The amount that can go inside a container



Sample Slides

► Volume

The amount of something that goes into a container.

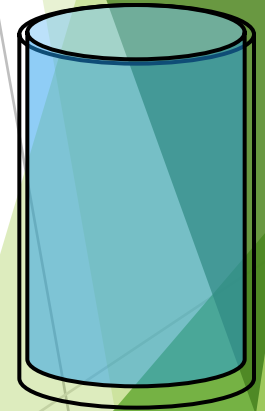
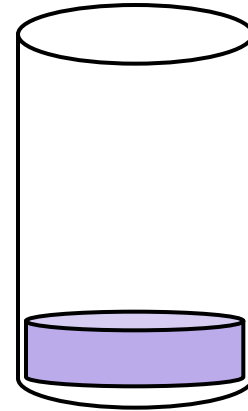
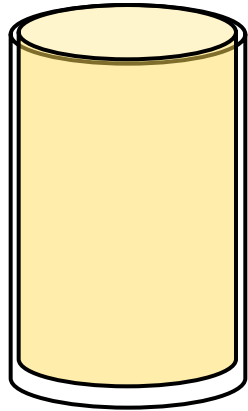
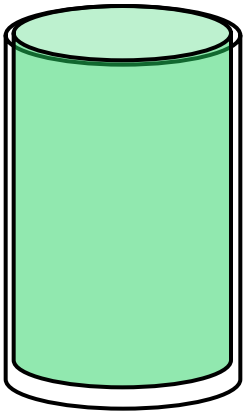


6/4/20

To be able to explore capacity and volume

Starter:

Which one is the odd one out?

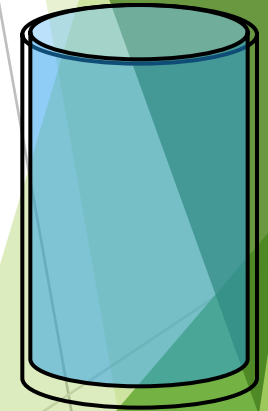
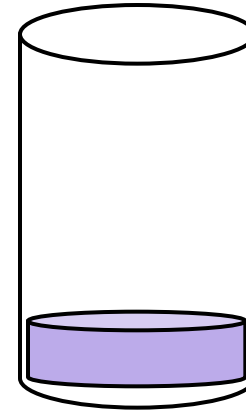
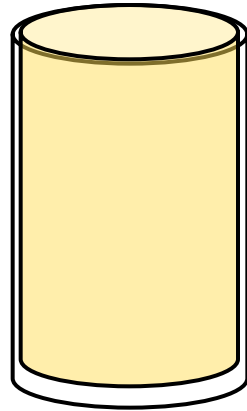
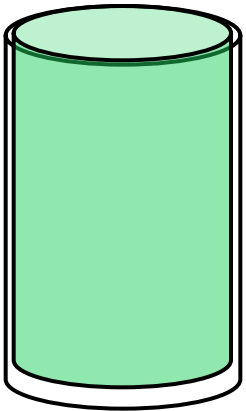


How do you know?

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Starter:

Which one is the odd one out?



The purple one as it is almost empty.
The other glasses are full.

To be able to explore capacity and volume

Activity 1:

Working with a variety of containers, children to use sand or water to demonstrate the following:

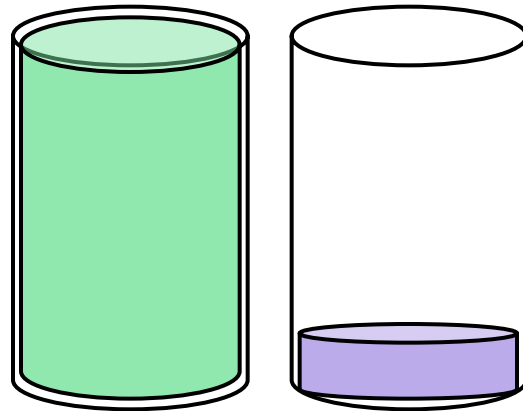
- ▶ empty
- ▶ full
- ▶ nearly empty
- ▶ nearly full

Make sure that you use these words to tell your grown up about your containers and how much is in them.



To be able to explore capacity and volume

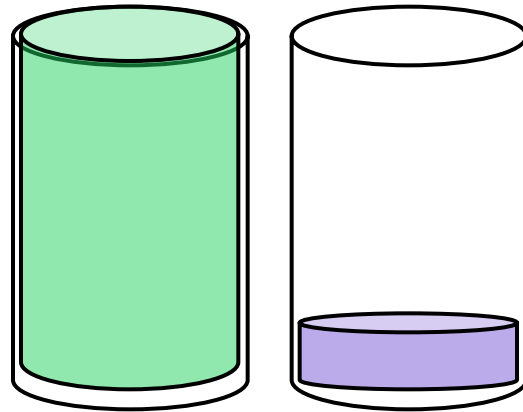
Talking Time: on the next few pages, fill the blanks in the sentences below with “**more**” or “**less**”. Write the sentences in your books.



The green glass has _____ than the purple glass.

The purple glass has _____ than the green glass.

To be able to explore capacity and volume



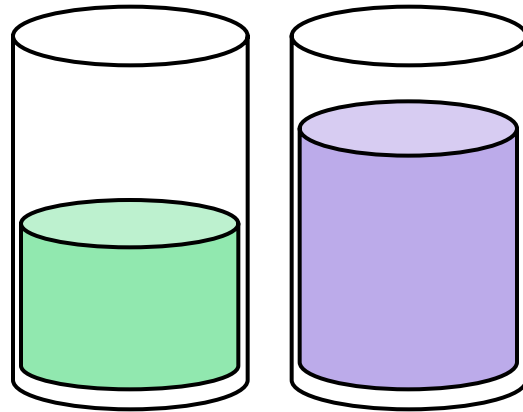
The green glass has more than the purple glass.

The purple glass has less than the green glass.

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Talking Time:

Fill the blanks in the sentences below with “more” or “less”.



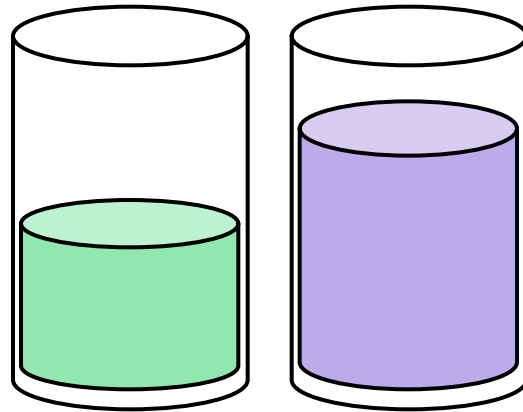
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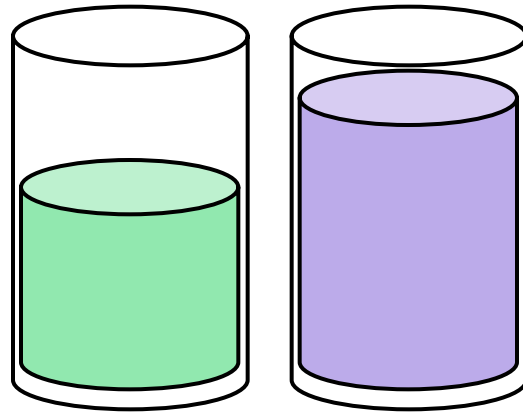
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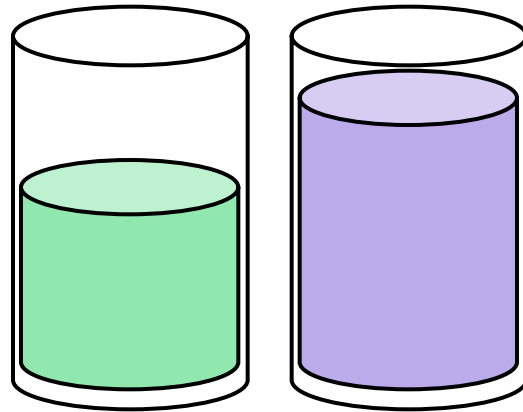
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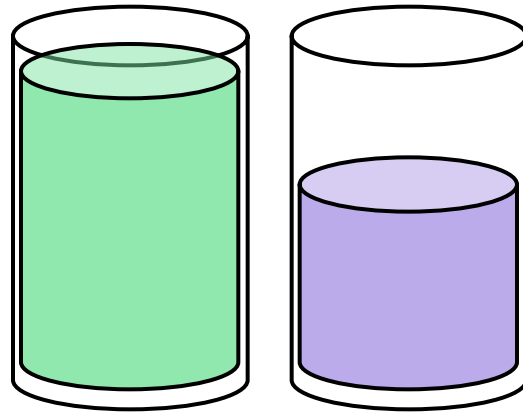
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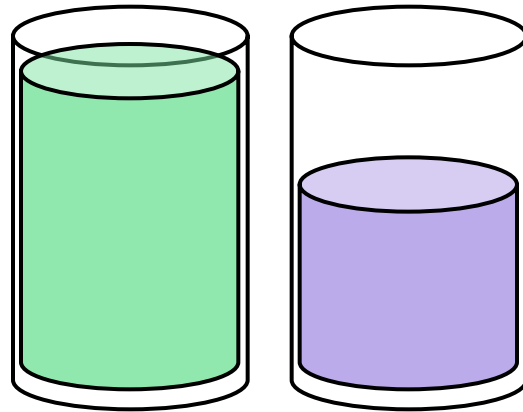
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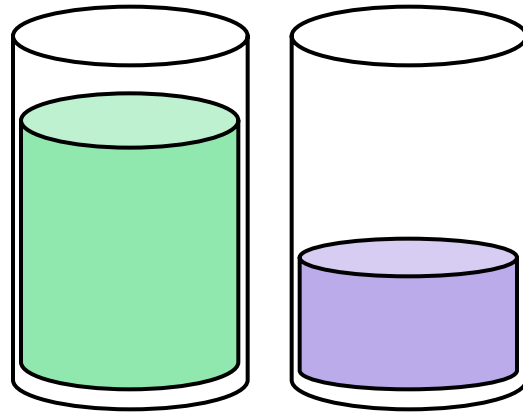
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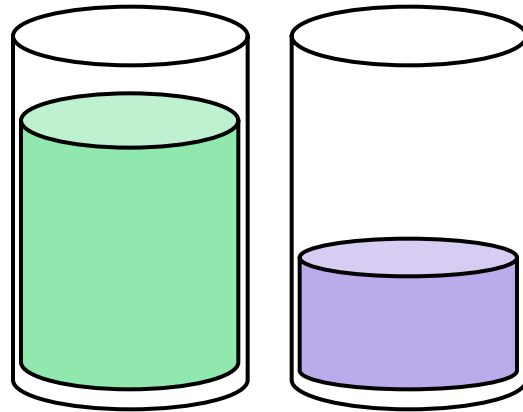
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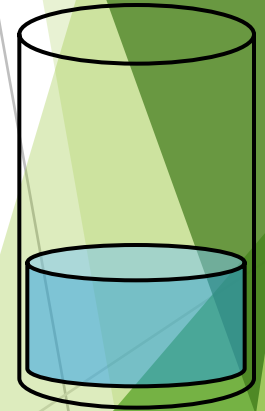
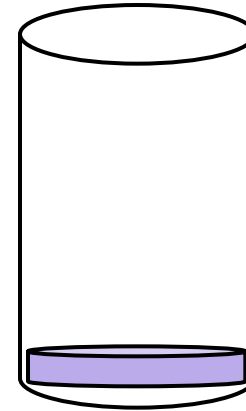
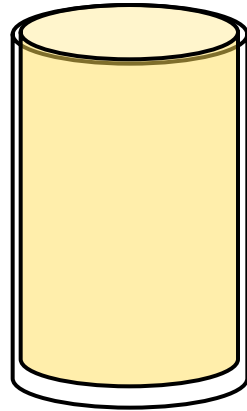
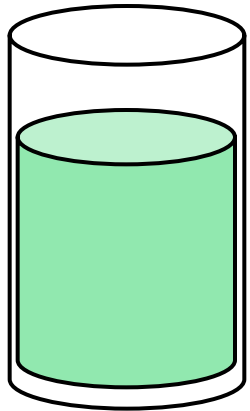
The green glass has more than the purple glass.

The purple glass has less than the green glass.

To be able to explore capacity and volume

Talking Time:

Put the glasses in order from the **most** to the **least** liquid.

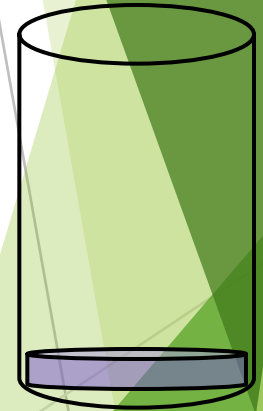
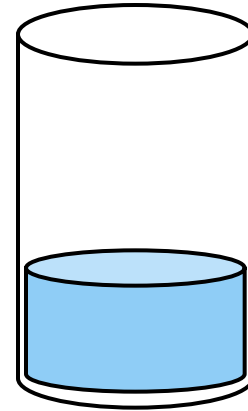
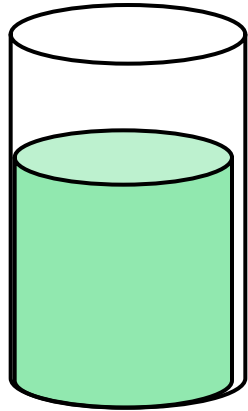
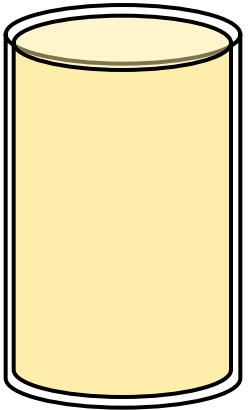


Point to the picture and tell your grown up.

To be able to explore capacity and volume

Talking Time:

Put the glasses in order from the most to the least liquid.

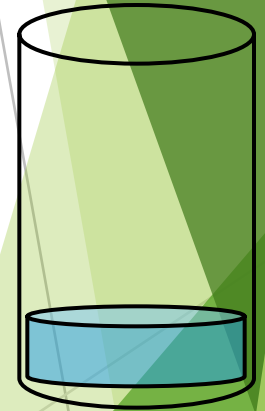
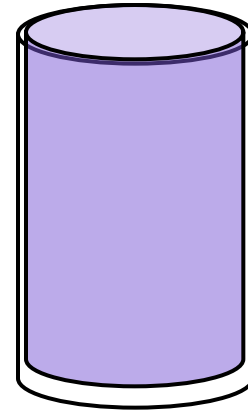
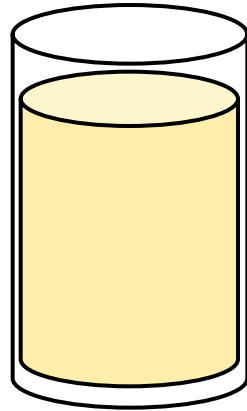
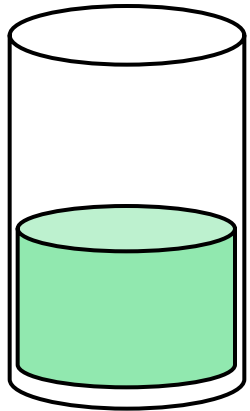


Were you right?

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Activity 3:

Put the glasses in order from the **most to the least** liquid.

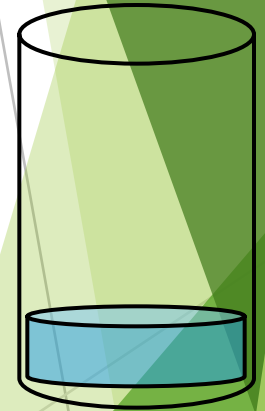
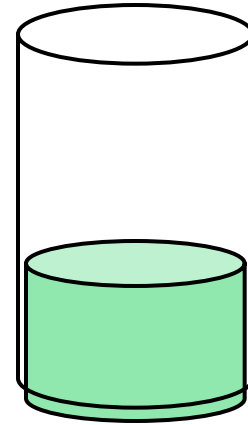
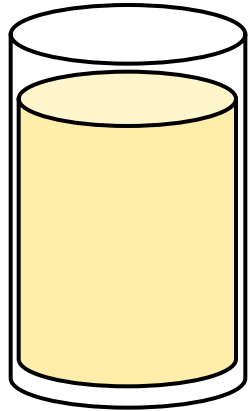
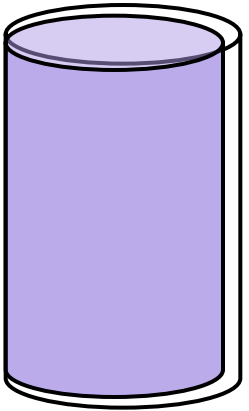


Point to the picture and tell your grown up.

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Activity 3:

Put the glasses in order from the most to the least liquid.

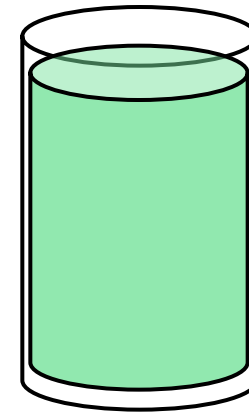
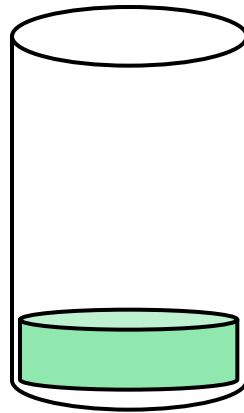
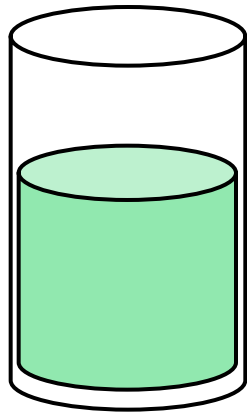


Well done!

To be able to measure mass

Talking Time:

Match each person's object to their statement. Point to the right container.



Ahmed says,
"I have the **least**
juice."

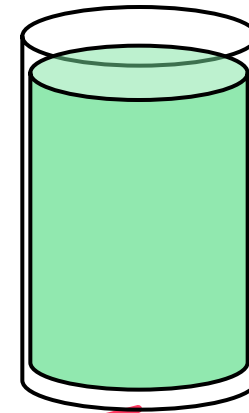
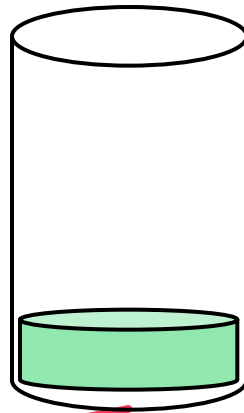
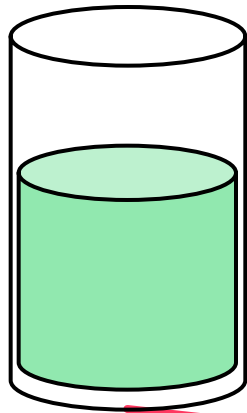
Eve says,
"I have the **most**
juice in my glass."

Chen says,
"I have **less** juice
than Eve."

To be able to measure mass

Talking Time:

Match each person's object to their statement.



Ahmed says,
"I have the least
juice."

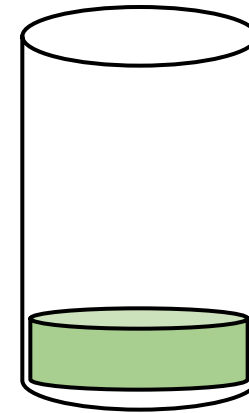
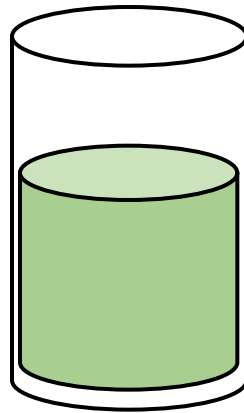
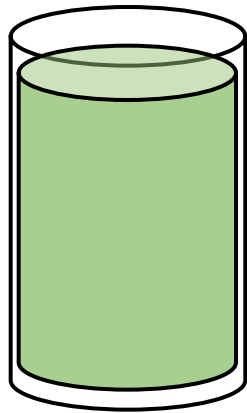
Eve says,
"I have the most
juice in my glass."

Chen says,
"I have less juice
than Eve."

To be able to measure mass

Activity 4:

Match each person's object to their statement.



Jamal says,
"I have the **least**
juice."

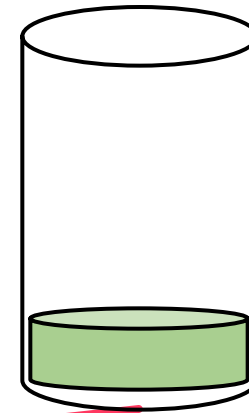
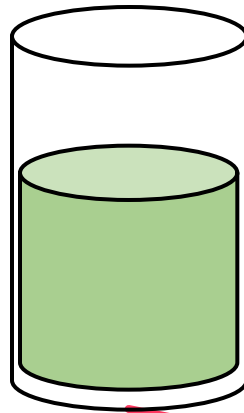
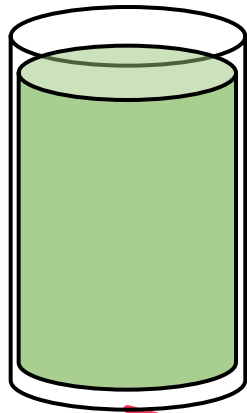
Ruth says,
"I have the **most**
juice in my glass."

Yasmin says,
"I have **more** juice
than Jamal."

To be able to measure mass

Activity 4:

Match each person's object to their statement.



Jamal says,
"I have the least
juice."

Ruth says,
"I have the most
juice in my glass."

Yasmin says,
"I have more juice
than Jamal."

Challenge time!



Provide a range of different containers for children to explore practically using water or sand.

Show me full containers.

Show me empty containers.

Show me almost full.

Show me almost empty.



Always, Sometimes, Never...

The tallest container holds the most liquid.

Identical containers can have a different capacity.

Show me.

Well done!
All finished for today

