

Maths Shed

Year 2 Maths Capacity



Lesson:

To be able to compare volume

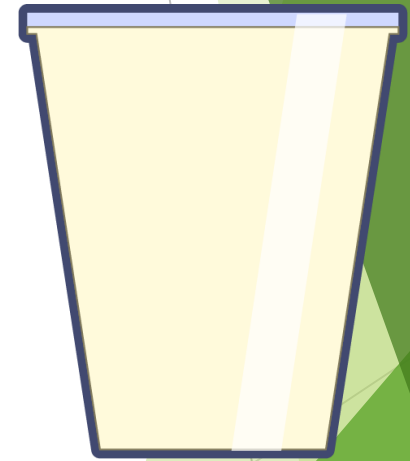
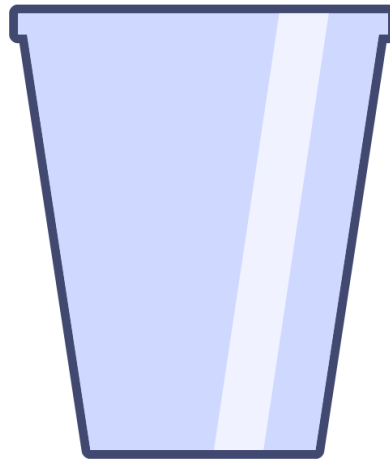
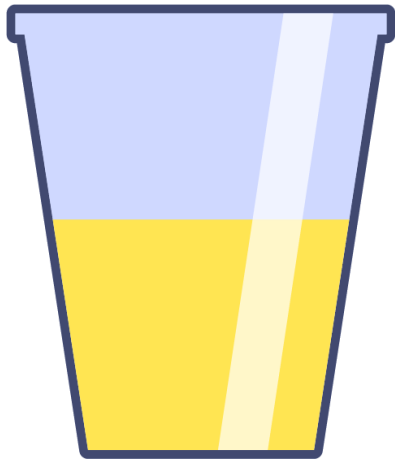
Success criteria:

- ✓ I can use my knowledge that capacity is how much a container can hold and volume is how much is within a container to compare volume
- ✓ I can explain my reasoning when using my knowledge that capacity is how much a container can hold and volume is how much is within a container to compare volume
- ✓ Most of today's session is visual and discussion based.

To be able to compare volume

Starter:

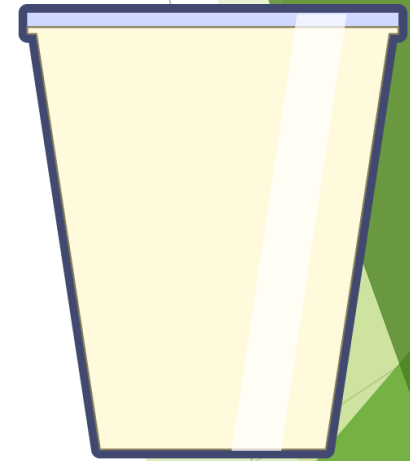
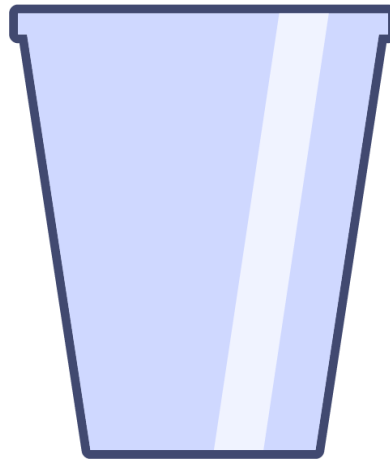
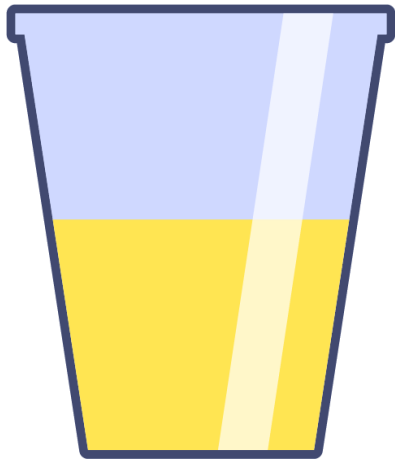
Which one is the odd one out?



Explain your answer.

To be able to compare volume

Starter:

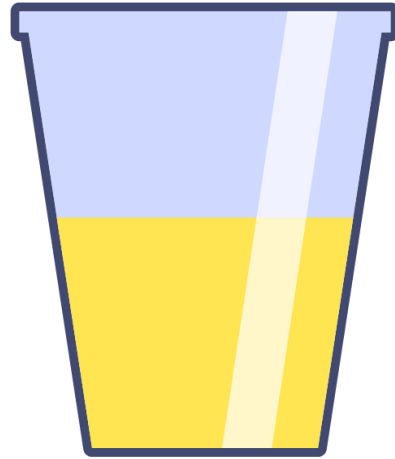


The middle as it is empty. The left-hand glass of orange juice is half-full and the right-hand glass of milk is full.

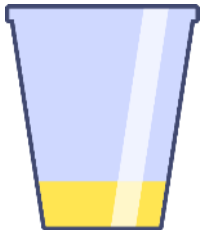
To be able to compare volume

Talking Time:

Jamal has some juice in a cup.



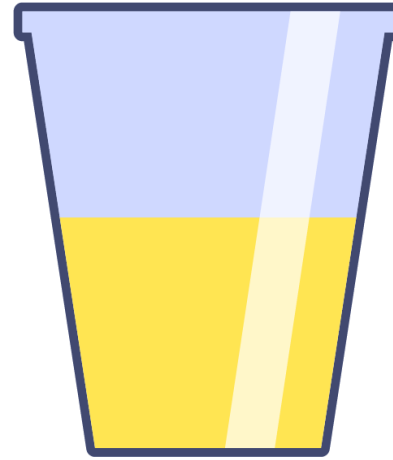
Point to the cups that contain more juice than Jamal's cup.



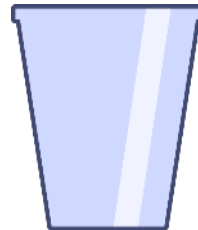
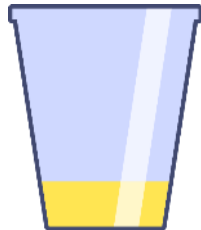
To be able to compare volume

Talking Time:

Jamal has some juice in a cup.



Answer.



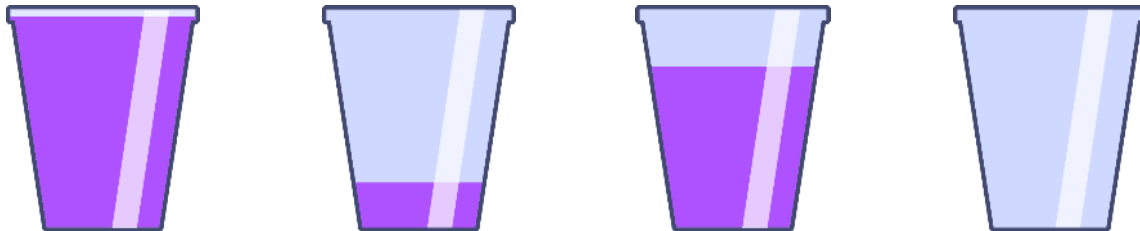
To be able to compare volume

Activity 1:

Ruth has some juice in a cup.



Point to the cups that contain less juice than Ruth's cup.



To be able to compare volume

Activity 1:

Ruth has some juice in a cup.



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To be able to compare volume

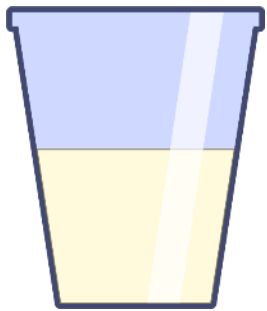
Activity 2:

Yasmin says, “My cup is half full with milk.”

Chen says, “My cup has some milk left, but not as much as Yasmin’s cup.”

Ruth says, “My cup isn’t full, but has more milk than Yasmin’s cup.”

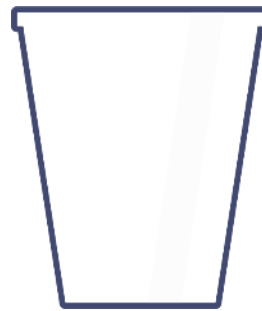
Copy in to your book and complete the sketches below.



Yasmin



Chen



Ruth

To be able to compare volume

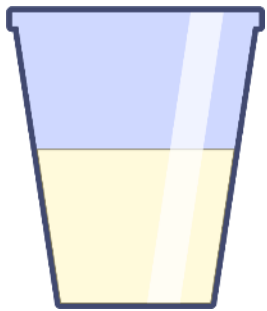
Activity 2:

Yasmin says, “My cup is half full with milk.”

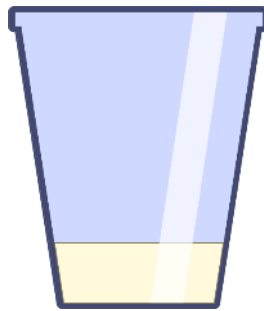
Chen says, “My cup has some milk left, but not as much as Yasmin’s cup.”

Ruth says, “My cup isn’t full, but has more milk than Yasmin’s cup.”

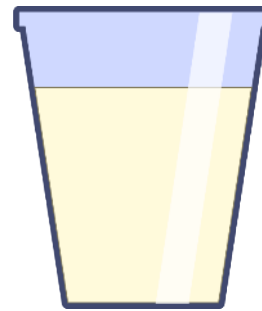
Answer



Yasmin



Chen

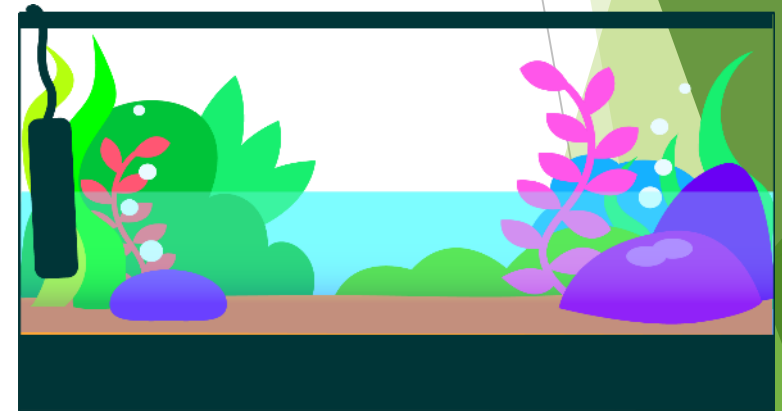
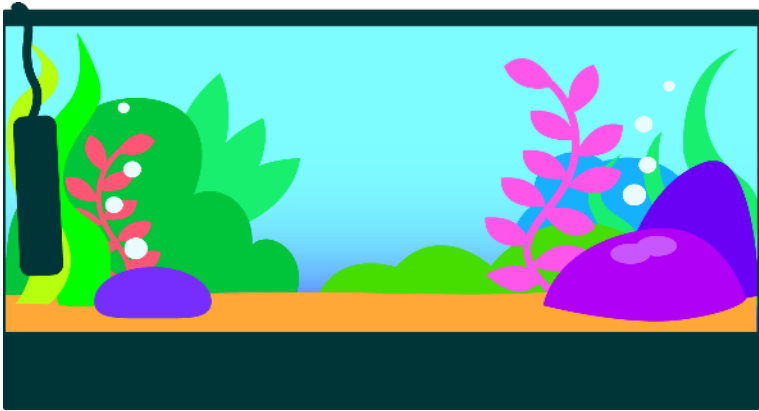


Ruth

To be able to compare volume

Talking Time:

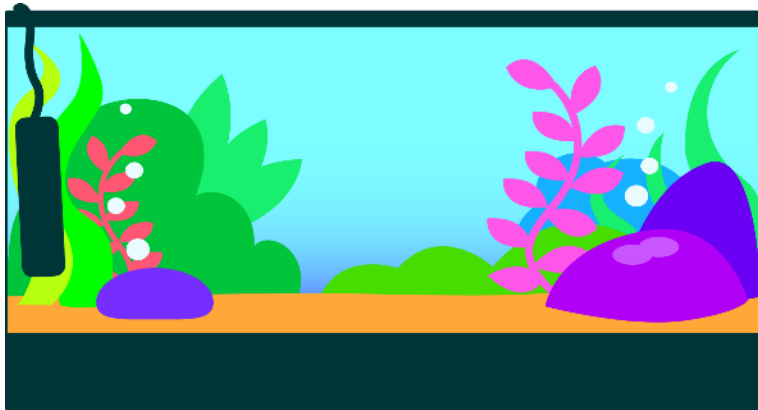
Point to the fish tank that has less water.



To be able to compare volume

Talking Time:

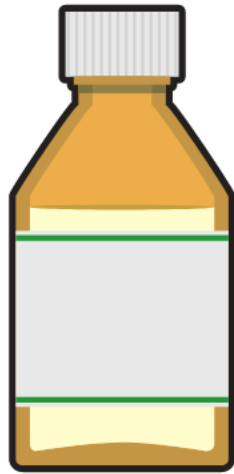
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To be able to compare volume

Talking Time:

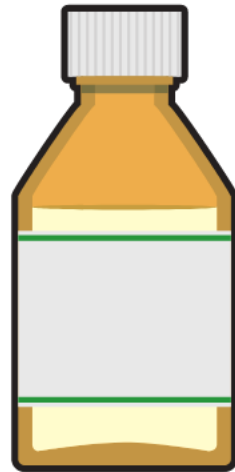
Point the object below that has the greater (biggest) capacity.



To be able to compare volume

Talking Time:

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To be able to compare volume

Activity 4:

Point to the object below that has the greater capacity.



To be able to compare volume

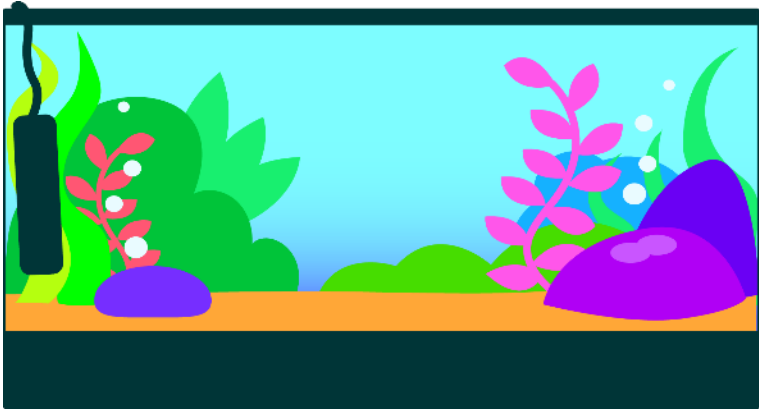
Activity 4:



To be able to compare volume

Activity 5:

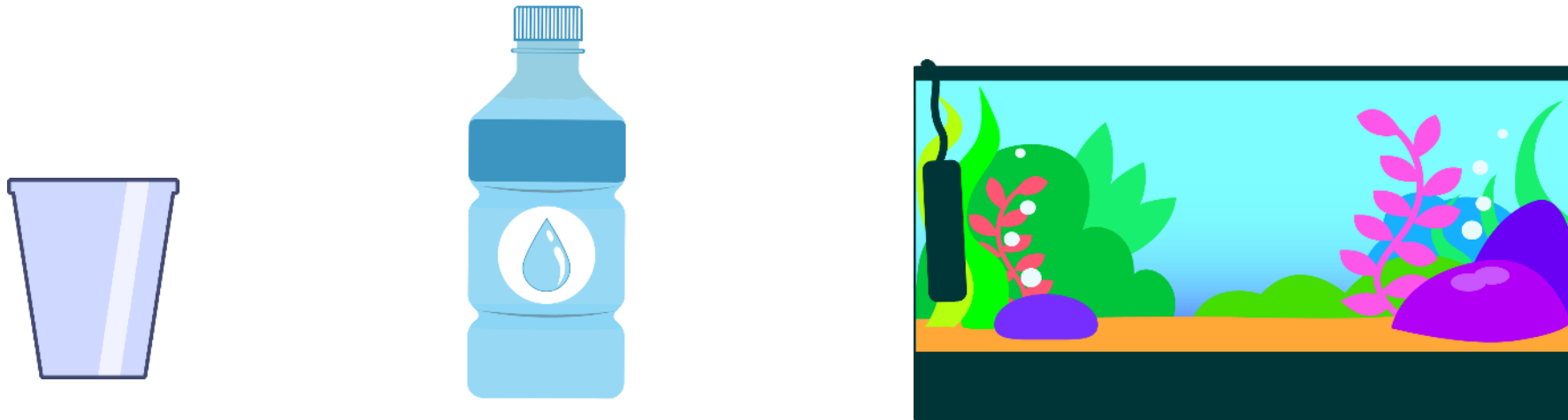
Put the objects in ascending (smallest to largest) order according to which would hold the most water.



Explain your answer.

To be able to compare volume

Activity 5:

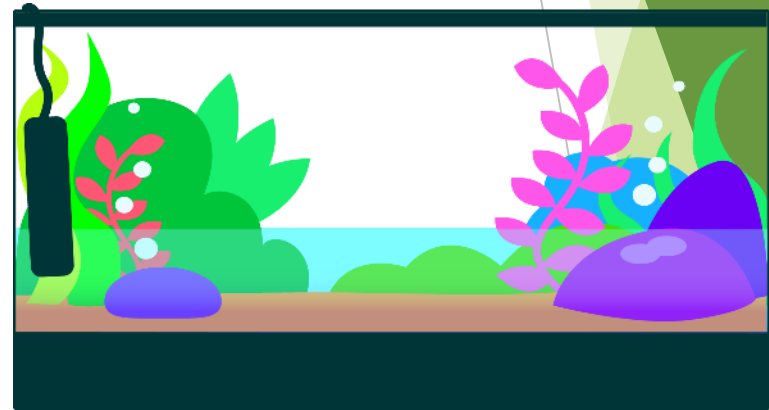
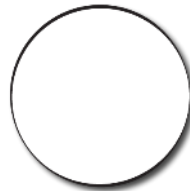
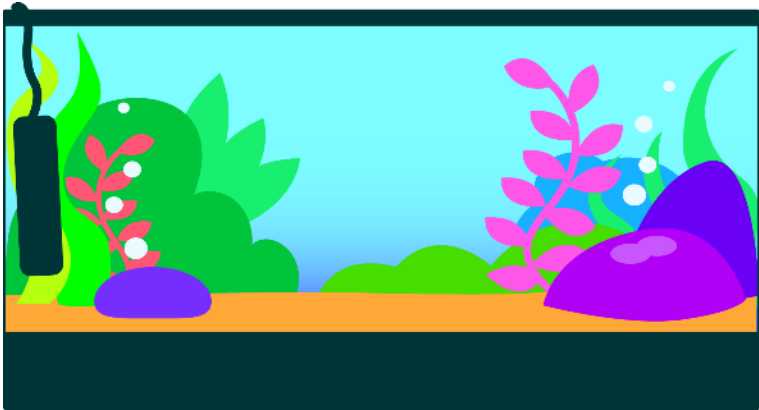


The glass (or cup) would hold the least as it is the smallest, then the bottle, and the fish tank would hold the most as it is the largest object.

To be able to compare volume

Talking Time:

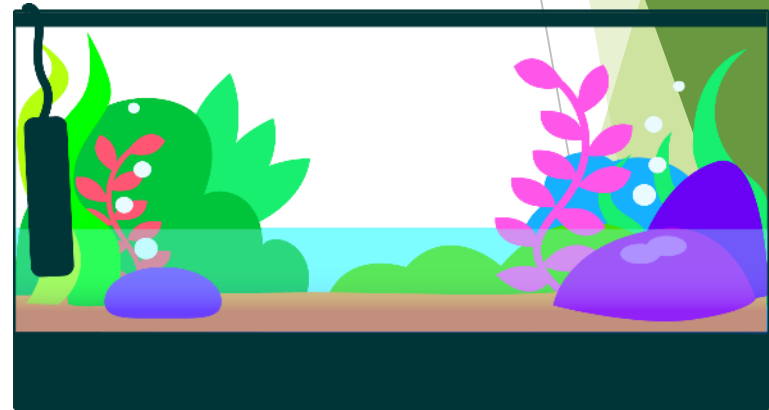
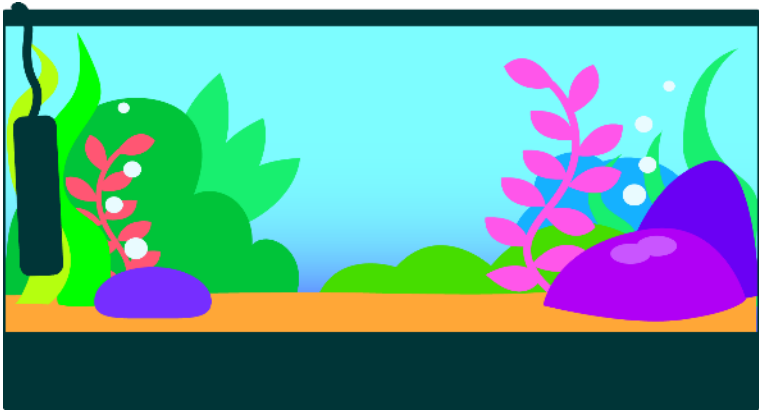
Compare the volumes of water in the tanks using the symbols $<$, $>$ and $=$.



To be able to compare volume

Talking Time:

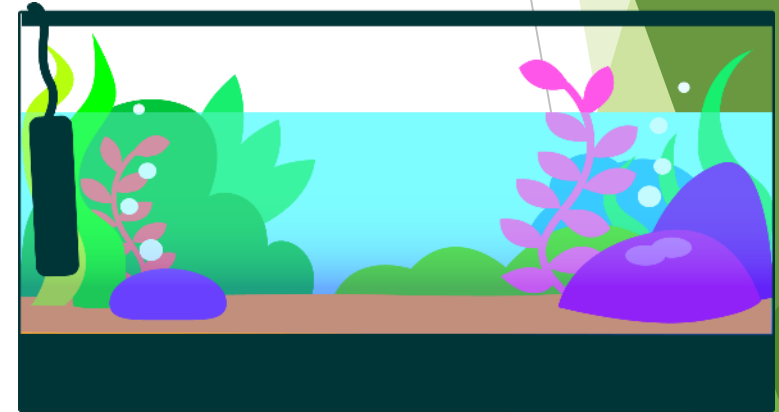
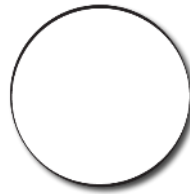
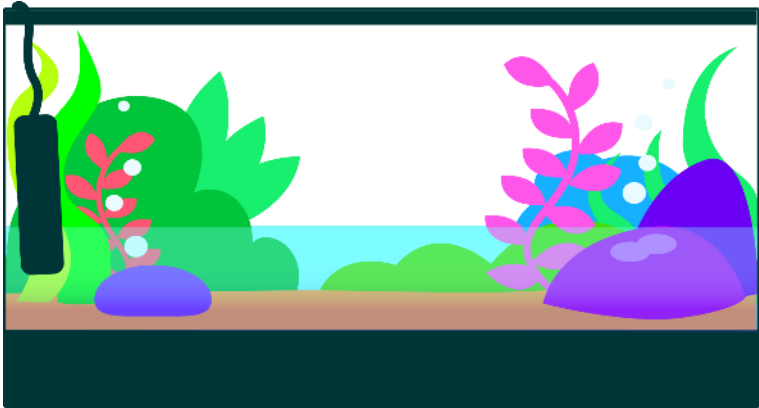
Compare the volumes of water in the tanks using the symbols $<$, $>$ and $=$.



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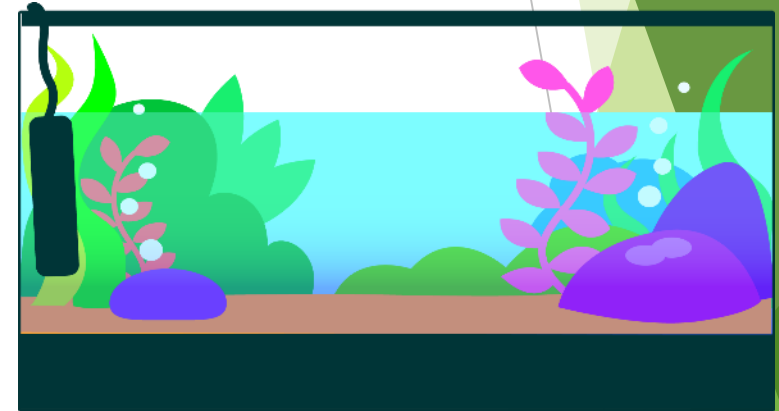
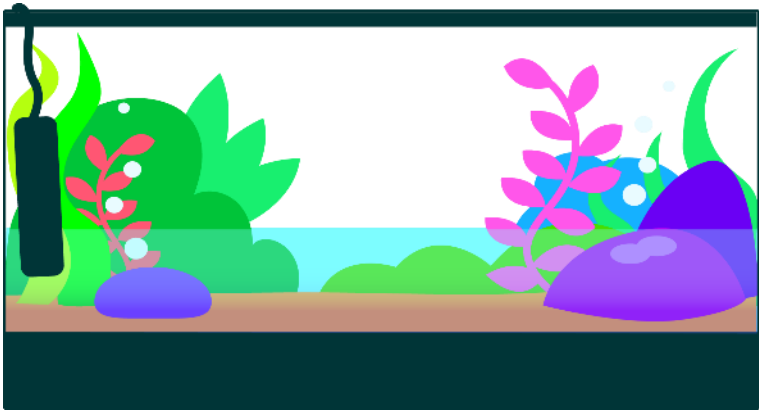
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To be able to compare volume

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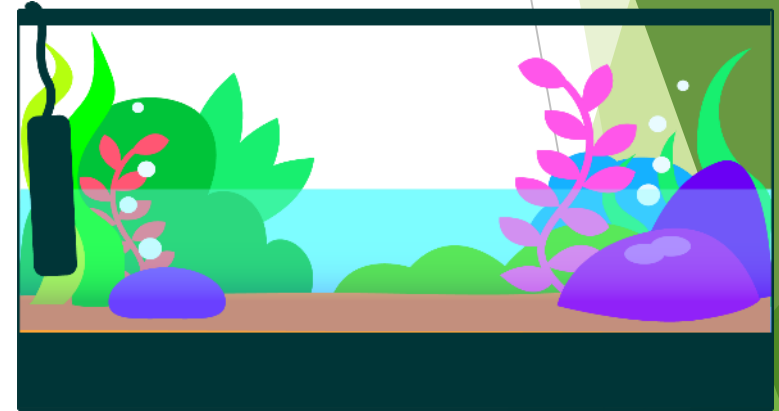
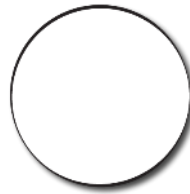
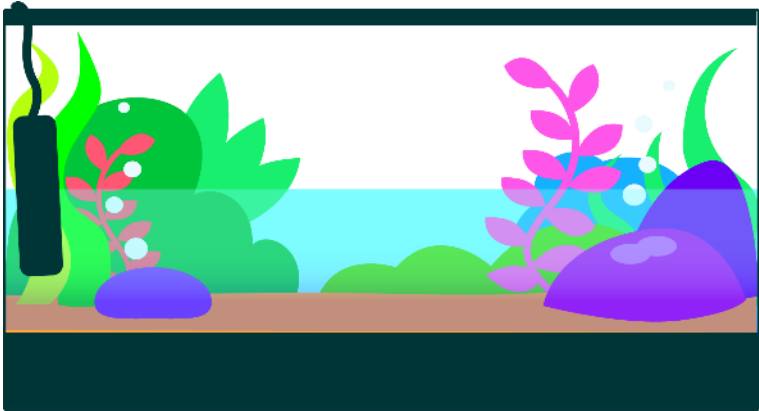
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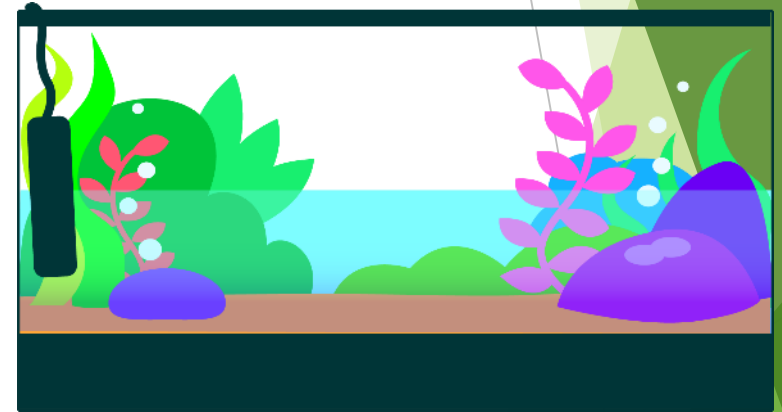
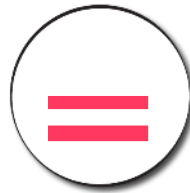
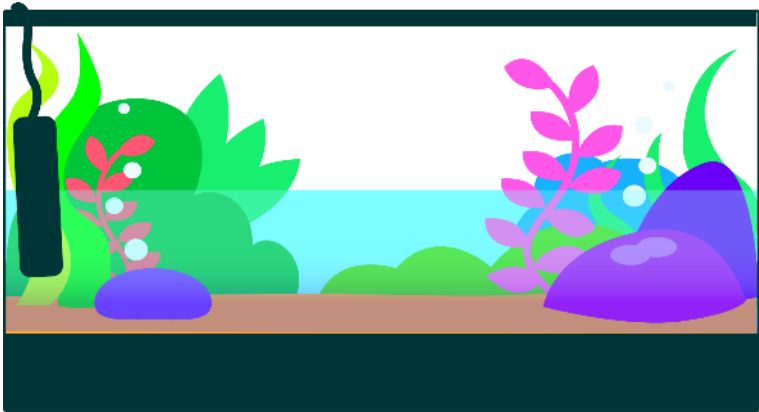
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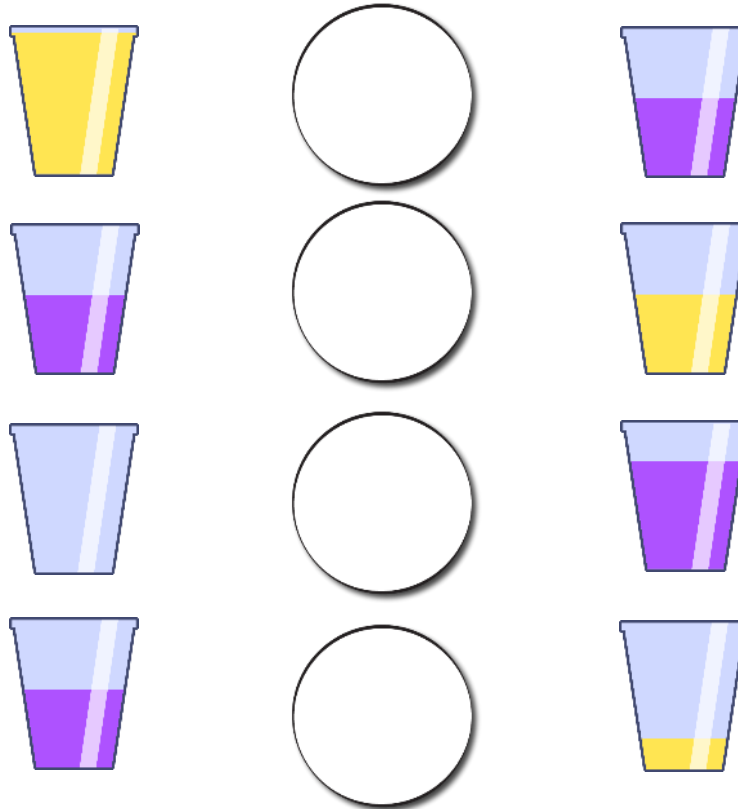
Compare the volumes of water in the tanks using the symbols $<$, $>$ and $=$.



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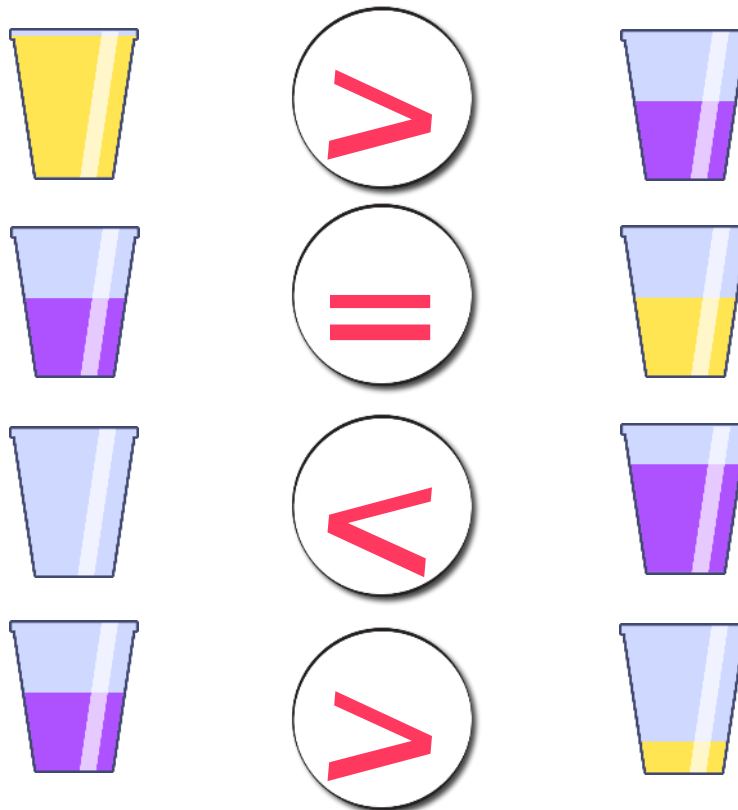
Compare the volumes of juice in the cups using the comparison symbols $<$, $>$ and $=$.



To be able to compare volume

Talking Time:

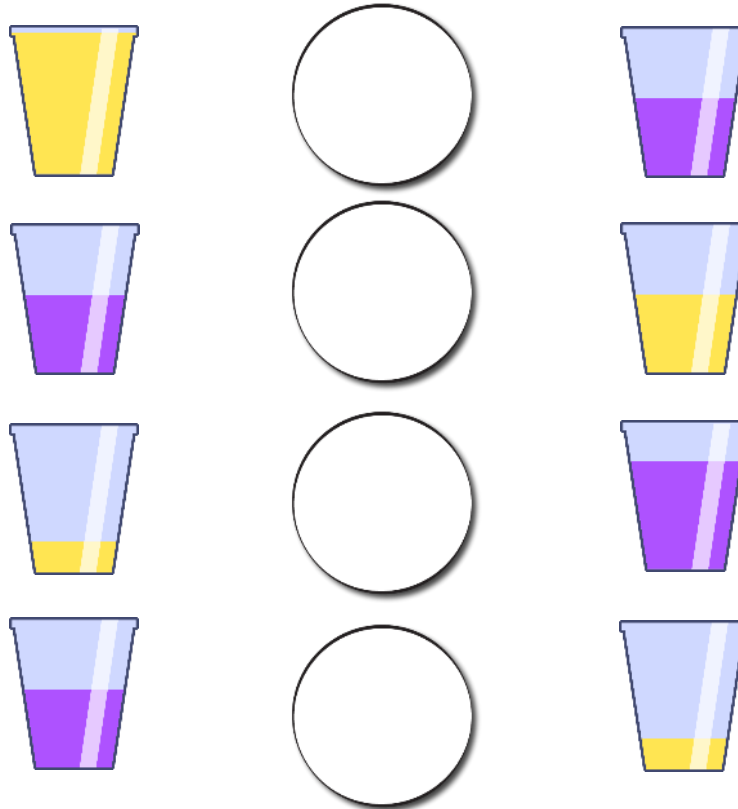
Compare the volumes of juice in the cups using the comparison symbols $<$, $>$ and $=$.



To be able to compare volume

Activity 6:

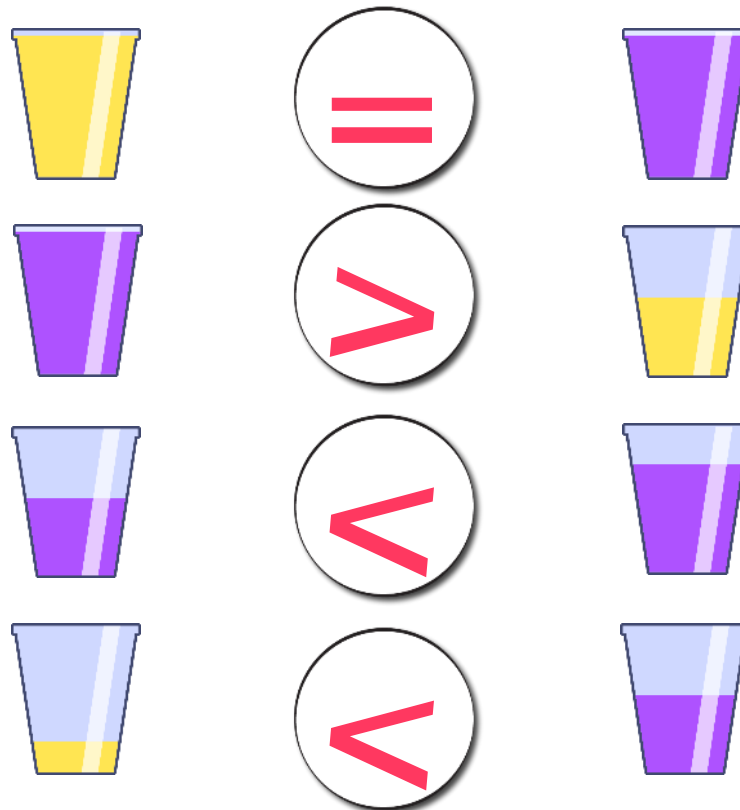
Compare the volumes of juice in the cups using the comparison symbols $<$, $>$ and $=$.



To be able to compare volume

Activity 6:

Compare the volumes of juice in the cups using the comparison symbols $<$, $>$ and $=$.



To be able to compare volume

Evaluation:



Astrobee is wrong. Why does Astrobee think the blue jar has a greater capacity?
Explain your answer.

To be able to compare volume

Evaluation:



Astrobee thinks the blue jar has a greater capacity as it is taller, but the black jar is wider, so it has a greater capacity and will hold more honey.

To be able to compare volume

Success criteria:

- ✓ I can use my knowledge that capacity is how much a container can hold and volume is how much is within a container to compare volume
- ✓ I can explain my reasoning when using my knowledge that capacity is how much a container can hold and volume is how much is within a container to compare volume