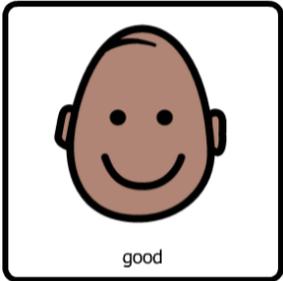
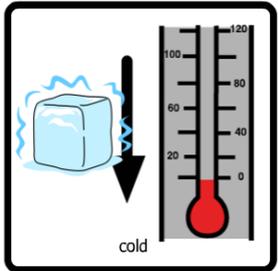
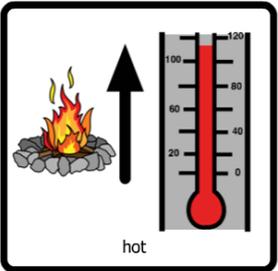
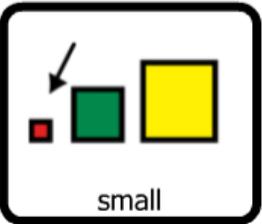
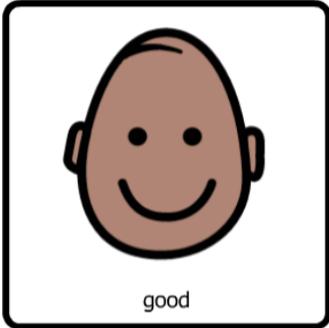
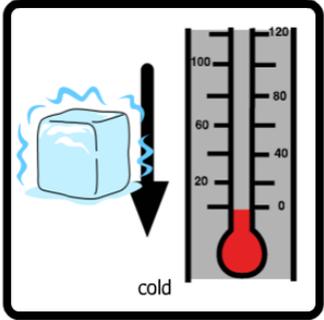
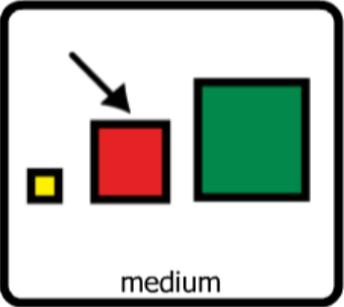
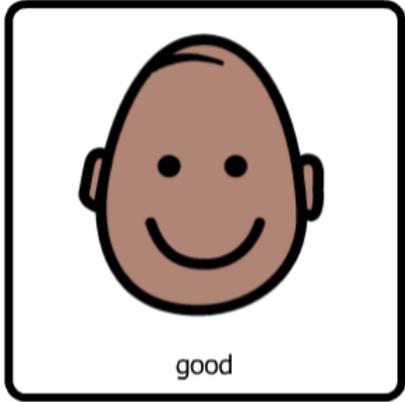
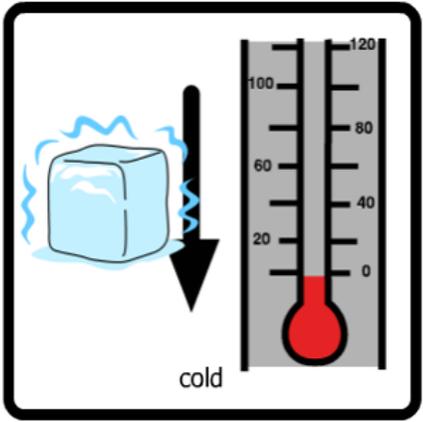
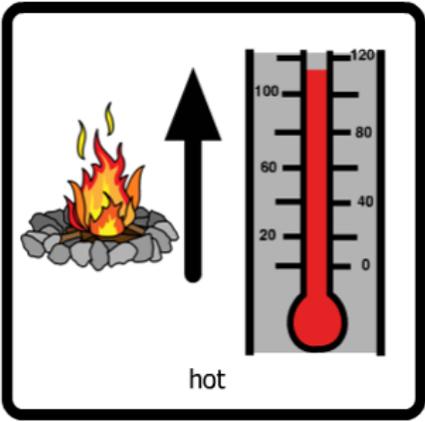
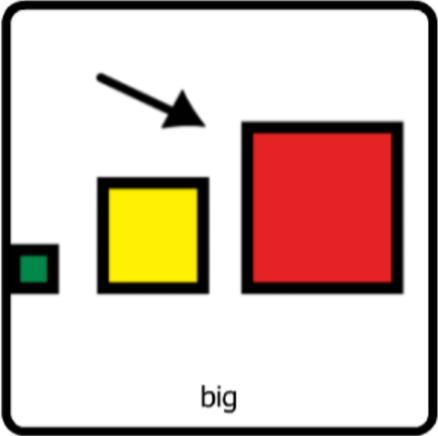


Name: \_\_\_\_\_

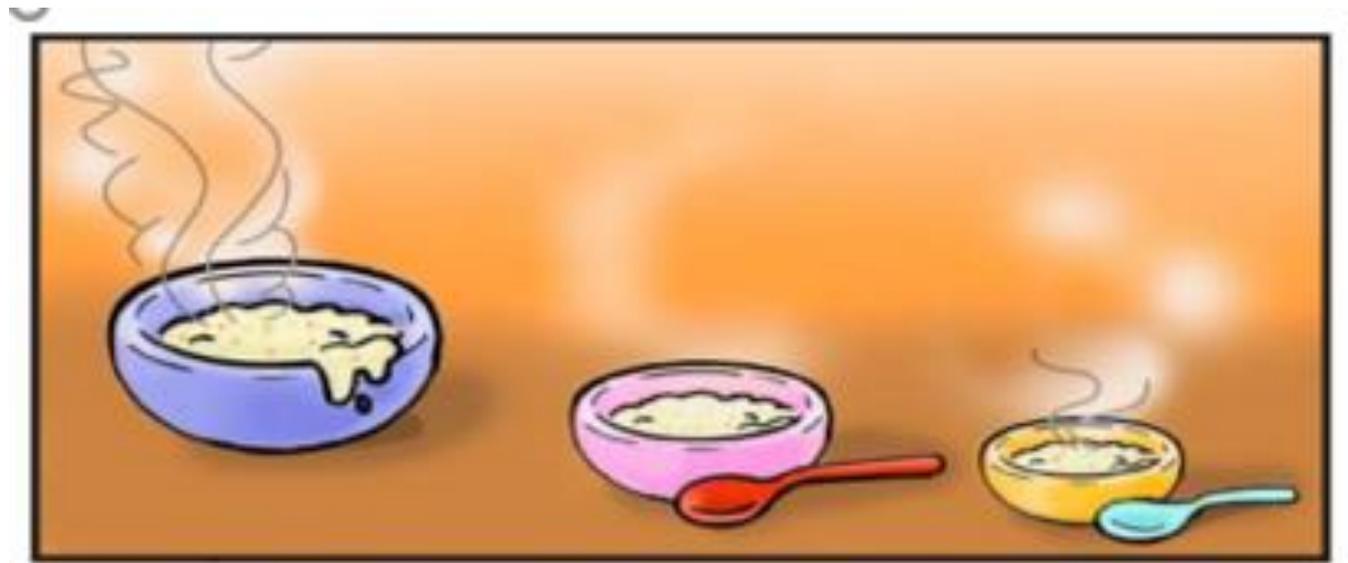


Note: you will want to cook the oatmeal ahead of time- cooking the oatmeal is not included in this lesson- reheat the oatmeal, then proceed with lesson

# Science

Goldilocks and the Porridge

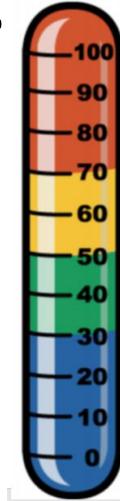
Today we will be using a food thermometer to compare the temperature of porridge, just like Goldilocks learned about in the story of Goldilocks and the 3 bears!



# Materials needed.



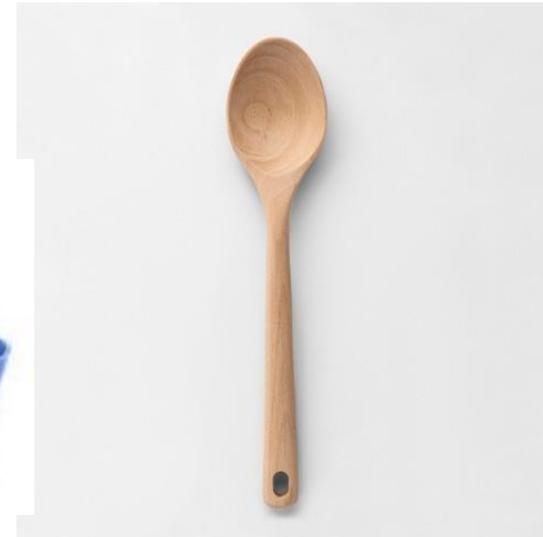
Felt board and visuals for story



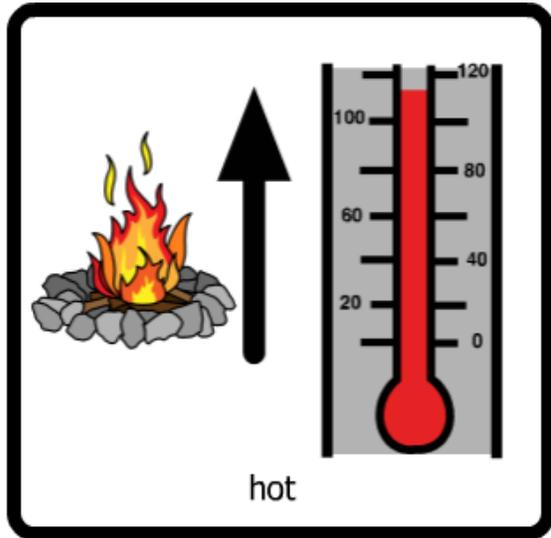
Make Tactile thermometer (texture paper)



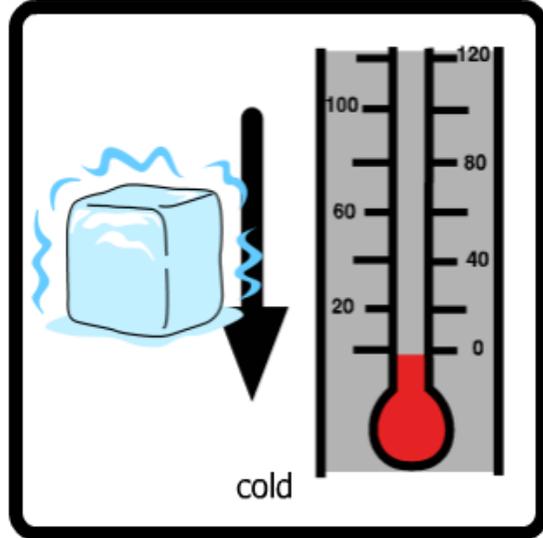
Precooked- just heated so its hot



# The vocabulary for today's lesson is....

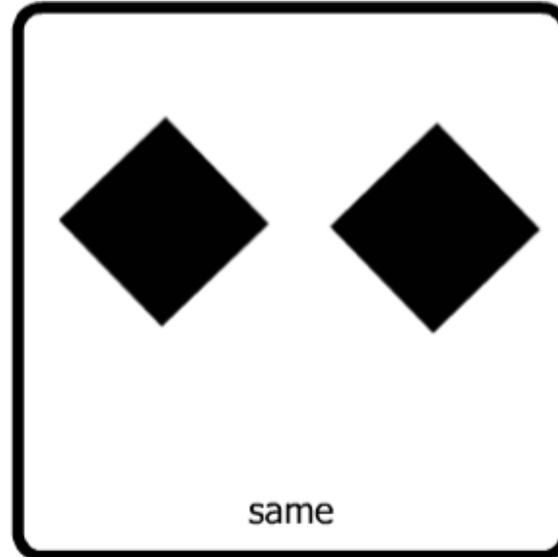


hot



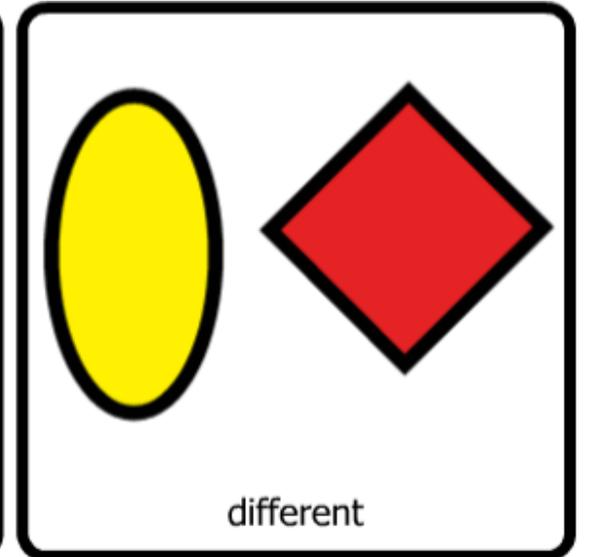
cold

Show tactile thermometer to illustrate



same

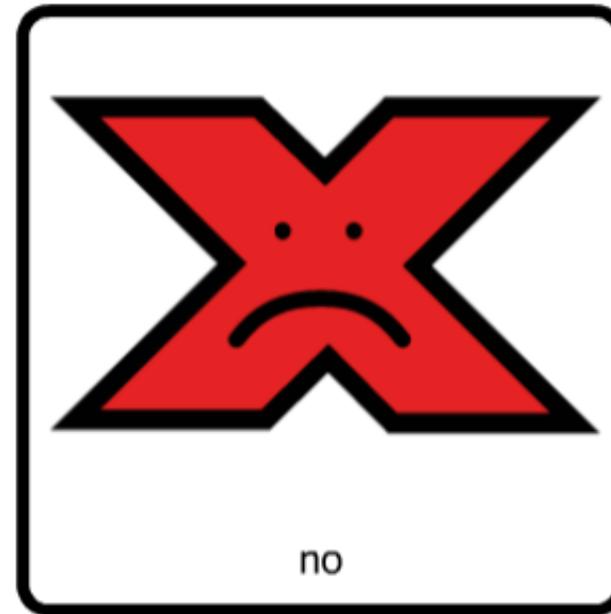
Show the bowls, they are the SAME color



different

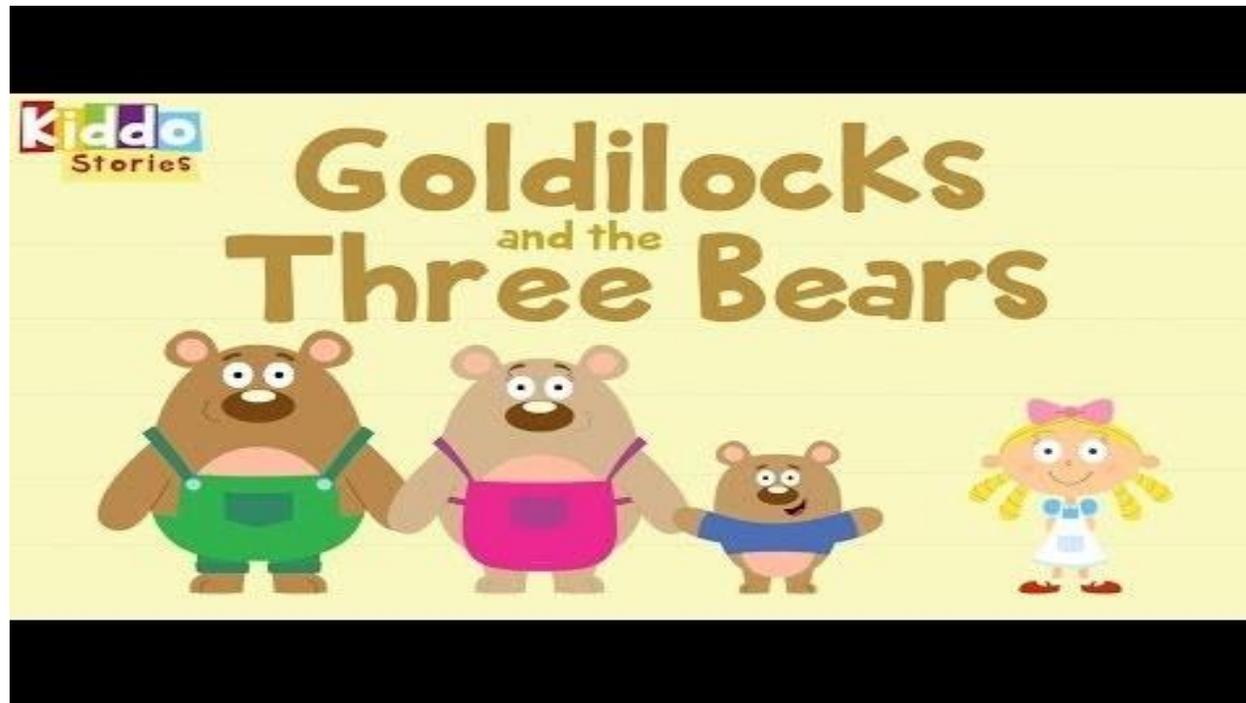
Show different size bowls

Have you ever heard the story of goldilocks and the 3 bears? It is an old fairy tale.

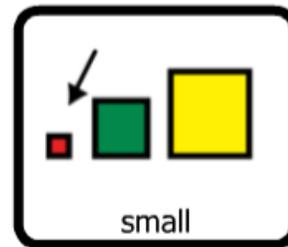
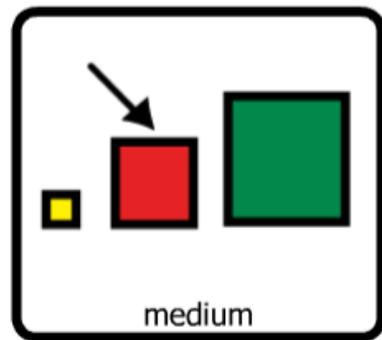
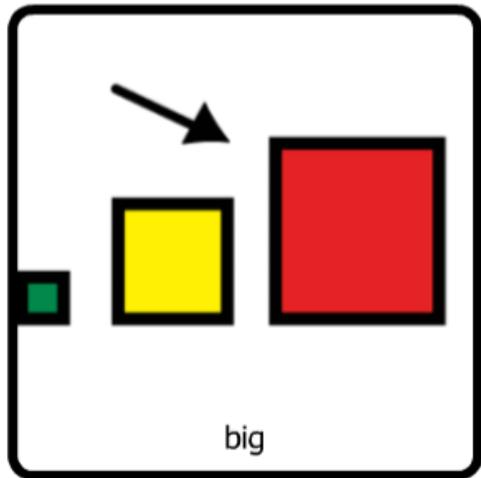


In case you haven't seen it, let's watch a version of the story!

(Use felt board story to help illustrate the video as it plays)

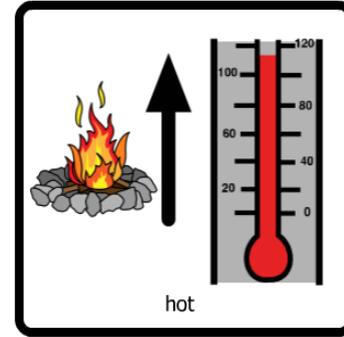
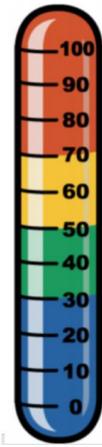


In the story of Goldilocks and the Three Bears, there were three bowls of porridge on a table.

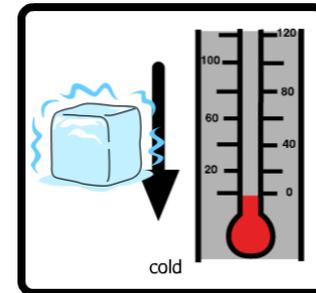


# This is what Goldilocks told us!

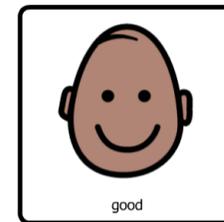
Use tactile thermometer



The porridge in the big bowl was too **hot**.



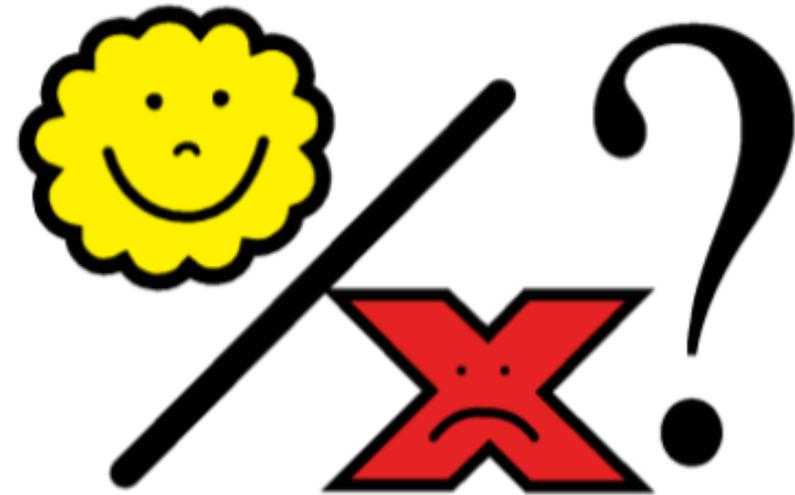
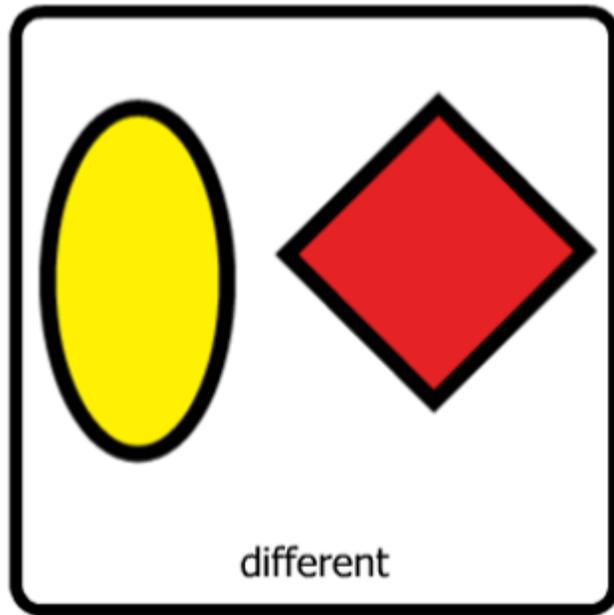
The porridge in the medium bowl was too **cold**.



The porridge in the small bowl was **just right**.



If all 3 bowls of porridge came from the same pot on the stove, is it possible that they were all different temperatures?



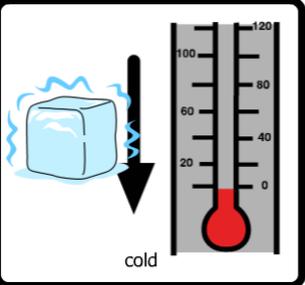
# We will conduct an experiment to see if this is possible!

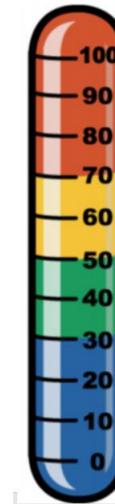
Step 1: The oatmeal should be cooked and hot! Using 1 small, 1 medium and 1 large bowl, scoop the oatmeal into each of the bowls.



# Before we begin, here is our definitions:

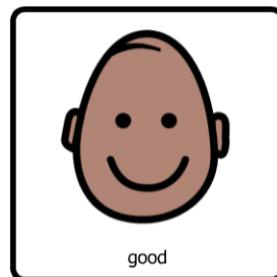
-  from 70- and up  
hot

-  from 0-50 degrees  
cold



Use tactile thermometer to illustrate

- Just right: this temperature feels warm, in-between hot and cold. 50-70 degrees

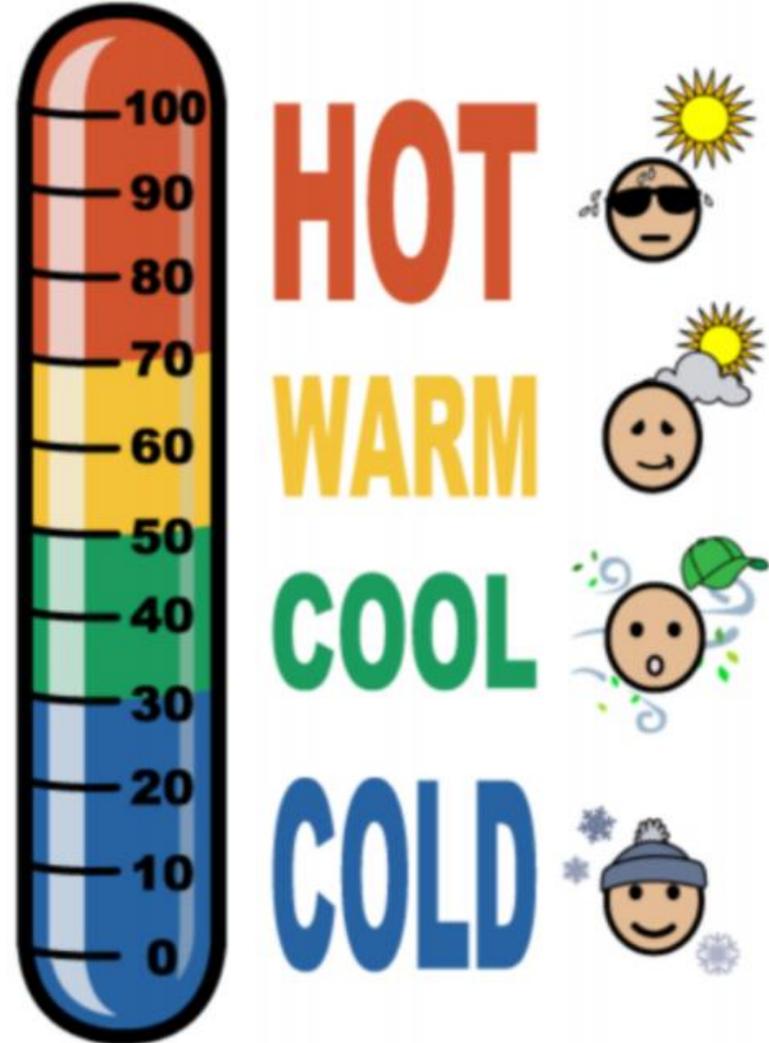


# Step 1: Place the food thermometer in the large bowl of porridge. What does the number read?

- Use the thermometer to measure the temperature



- Stamp the temperature on you data sheet.



Repeat for the medium and small bowls of porridge.



Which bowl was hot? Which was cold? Were any just right?



big

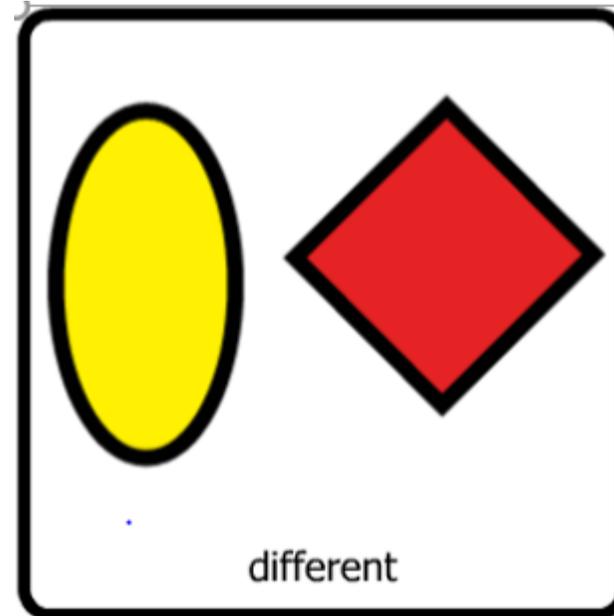
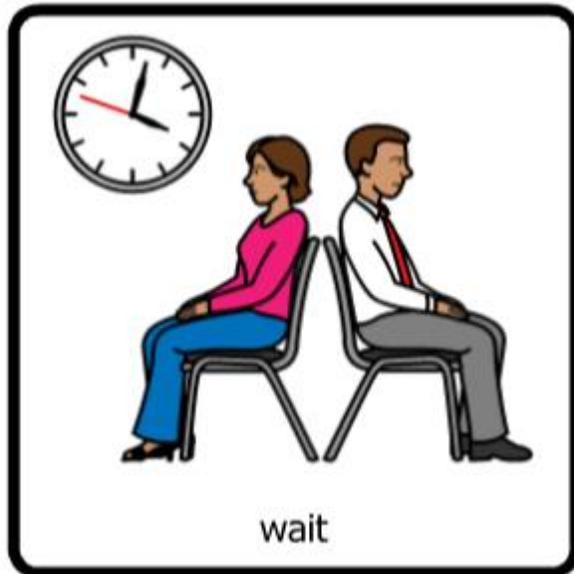


medium



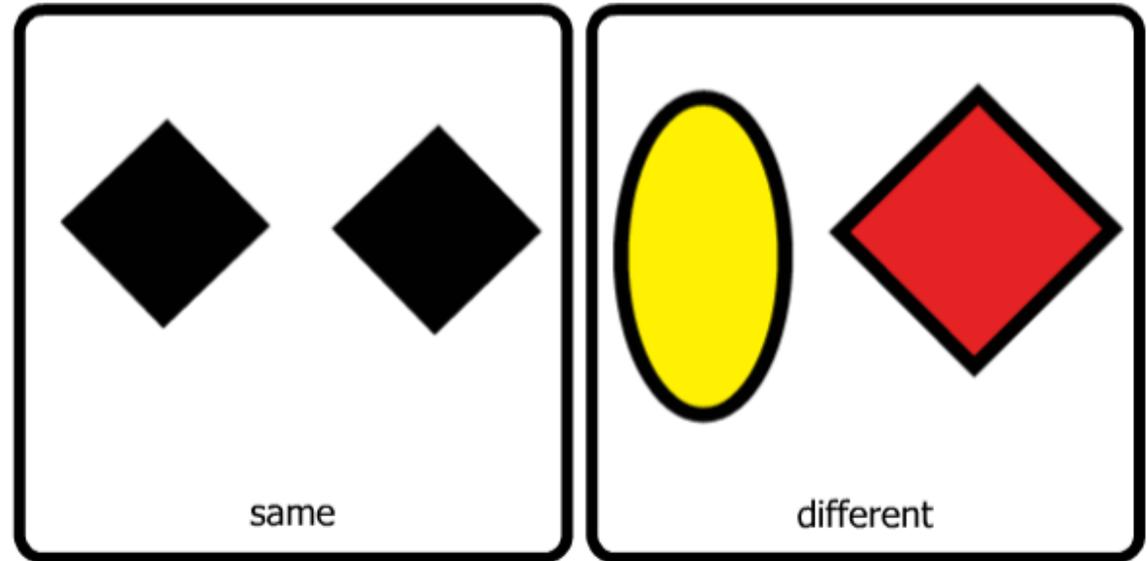
small

Wait 15 minutes. We will let the porridge cool and see if the temperatures are different than they were before!

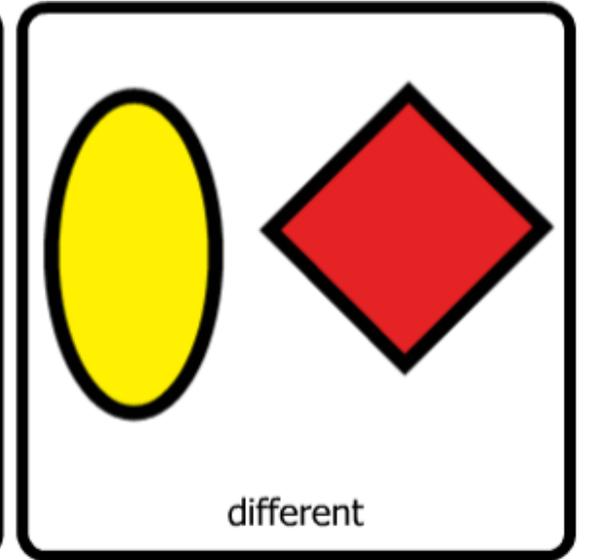
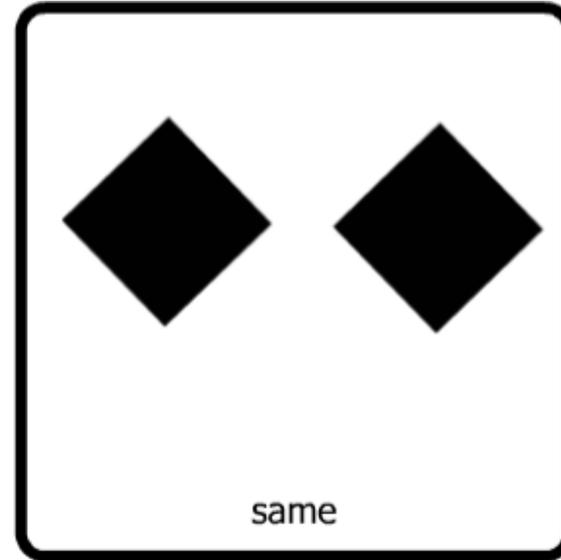


Feel free to taste some of the oatmeal.  
Take a short break!

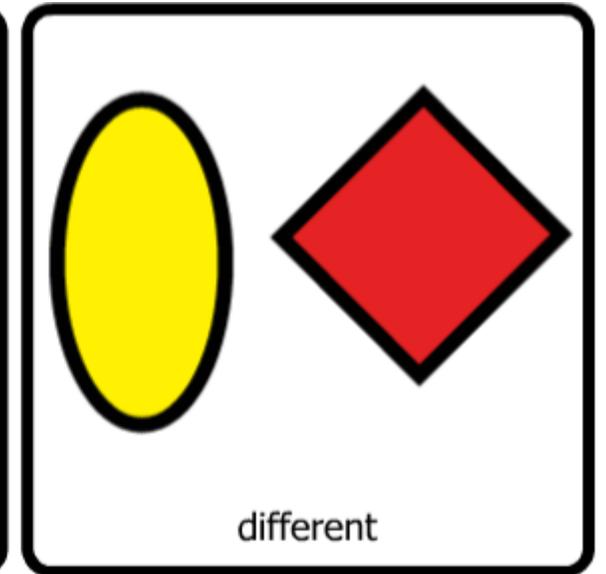
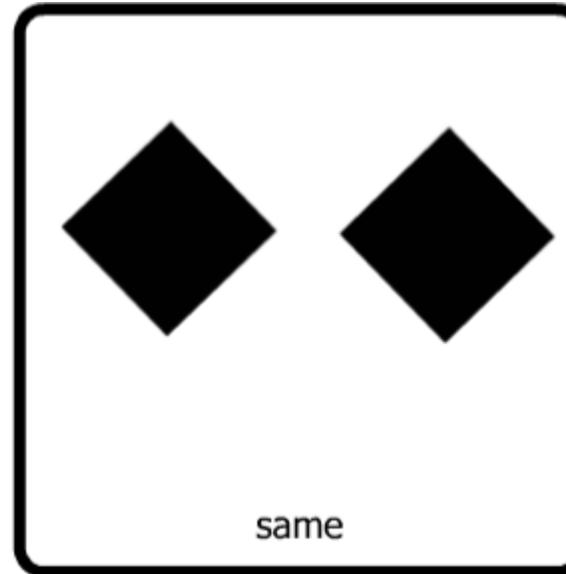
Record the temperature of the large bowl. Look back at your data sheet. Is the temperature of the **big** bowl the same or different?



Record the temperature of the medium bowl.  
Look back at your data sheet. Is the temperature of the **medium** bowl the same or different?



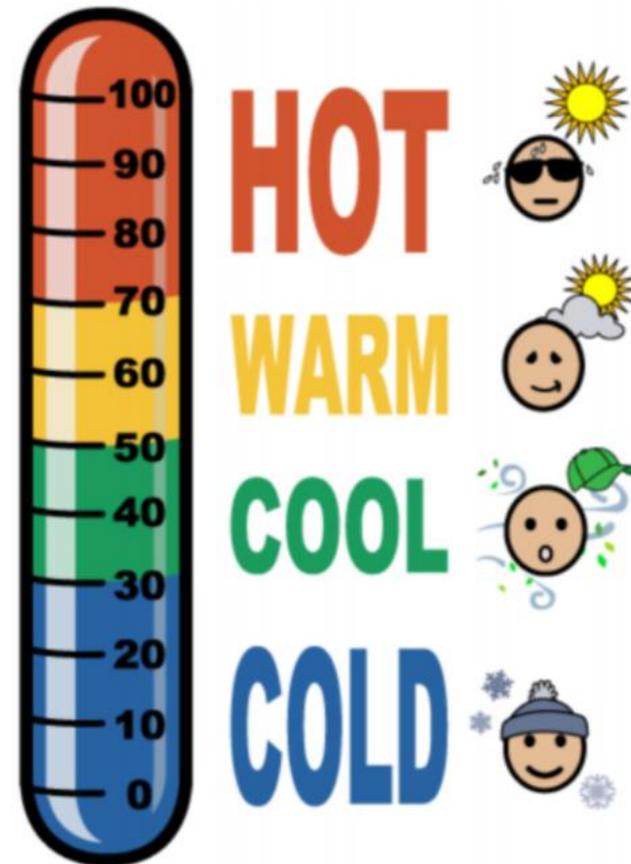
Record the temperature of the small bowl. Look back at your data sheet. Is the temperature of the **small** bowl the same or different?



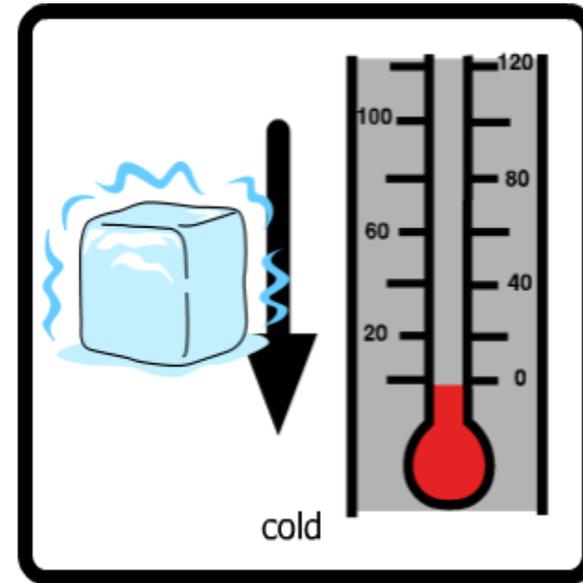
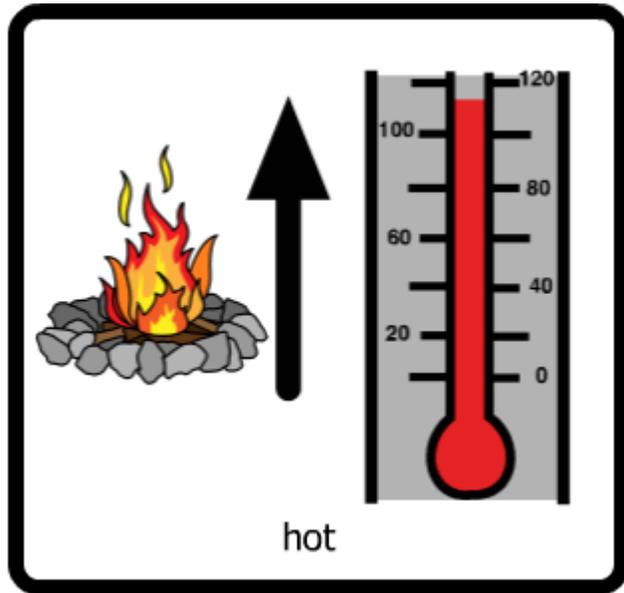
Today we learned all about how different sized bowls can change the temperature of porridge, just like goldilocks and the 3 bears!



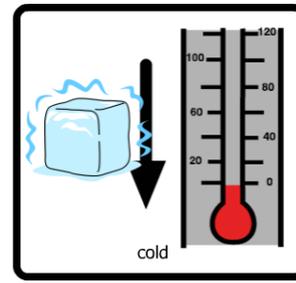
winkl.com



Quiz Question 1: When we compared temperatures of the porridge the 2<sup>nd</sup> time, were the temperatures hotter or colder than before?



Quiz Question 2:



Which bowl of oatmeal was cold after fifteen minutes?



big



medium



small

# We are ALL DONE!

- Teacher says “\_\_\_\_\_ is All Done! Time for \_\_\_\_\_!”
- Teacher says “Everyone check schedule!”
- Teacher changes the classroom schedule.
- Paras will assist individual students with checking schedules.

