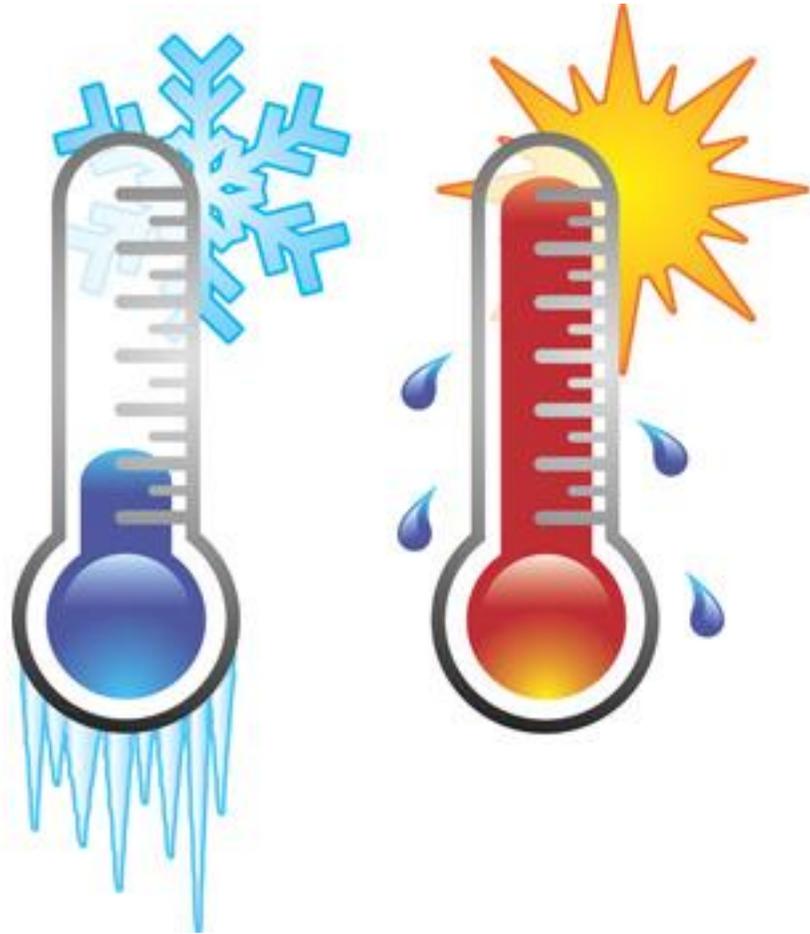


# Math

Hot and Cold Sorting

Today we will be learning to classifying objects that are **hot** and **cold** and sort them.

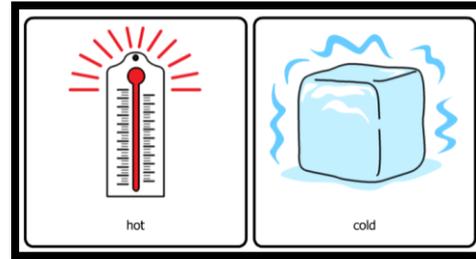


# Materials: These are the items you will need for this lesson.

A few frozen balloons



2 wet sponges



For students



Filled with ice cubes



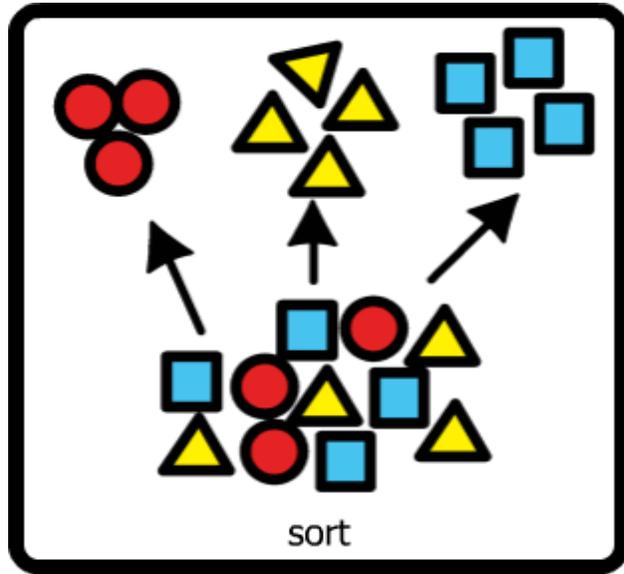
Pocket dice



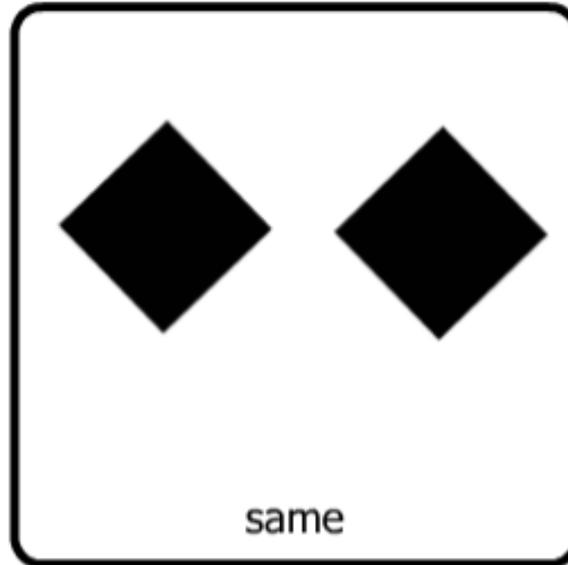
2 bins for sorting w/ hot and cold label

**Feel free to find items around the house that can be separated into hot and cold for your child to feel/touch**

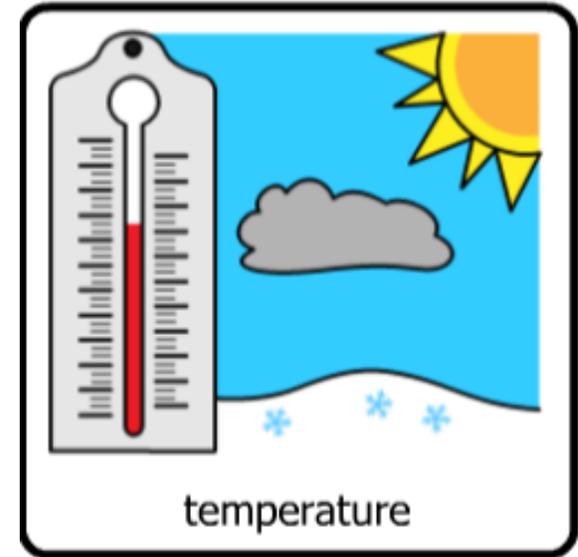
# The vocabulary for today's lesson is....



separating items into groups based on something that is the same.

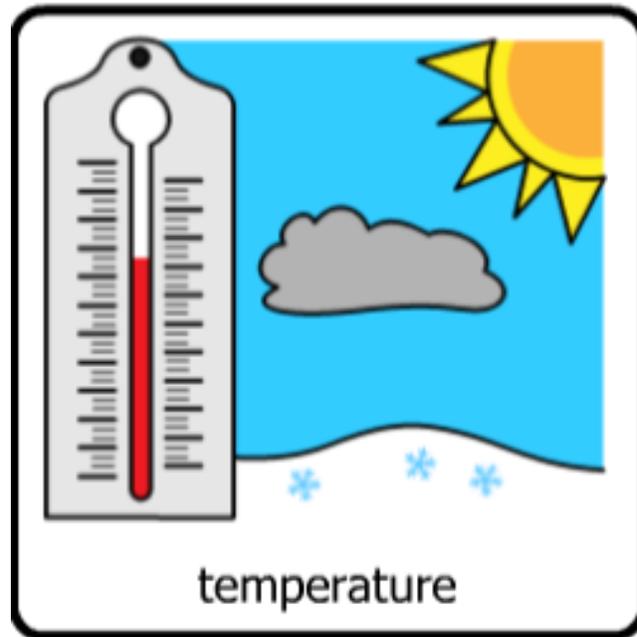


**identical; not different.**



How something feels

Step 1: Learn about common hot and cold temperatures and items in our daily lives.



## Is it hot?

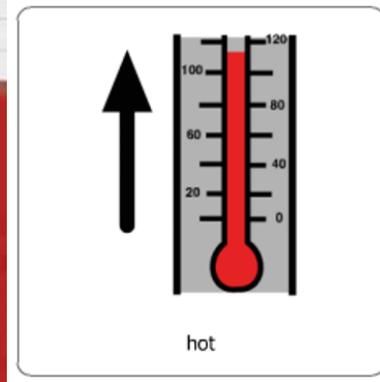
Different materials have different properties.

Some materials are hot.

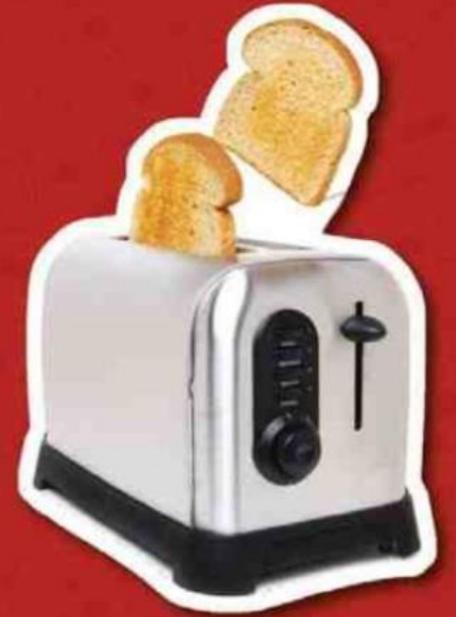
The oven is hot.  
It cooks our food.



8



The kettle makes water hot for coffee or tea.



The toaster makes the bread hot.



Why do all of these objects need to be hot?

9

Here are some other *hot* things:

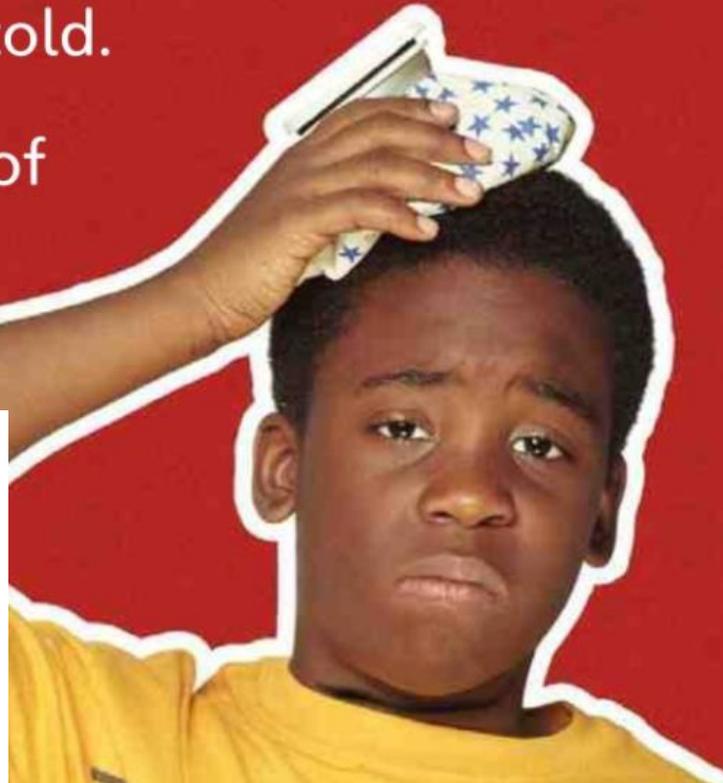


## Is it cold?

Some materials are cold.

The ice pack is cold.

It helps get rid of headaches.



cold

The refrigerator is cold.

It keeps food fresh.



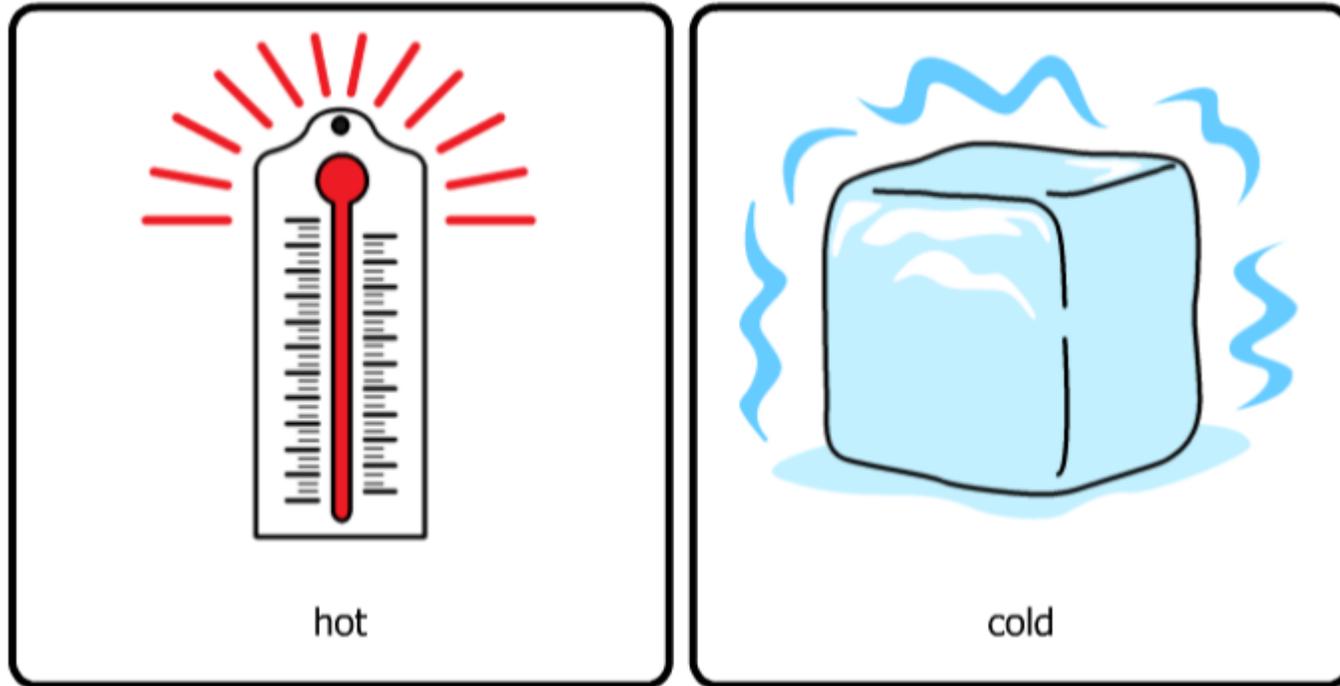
Think about something you ate today. Was it hot or cold?

1

Here are some things that are *COLD*  
What one would you enjoy?

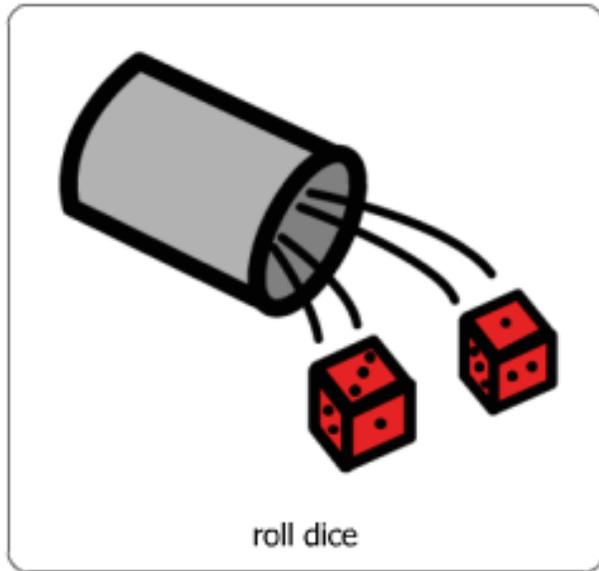


Step 2: We are going to **sort** items that have the **same** temperatures.



# Roll the dice

You can skip this step and just move on to the sorting activity

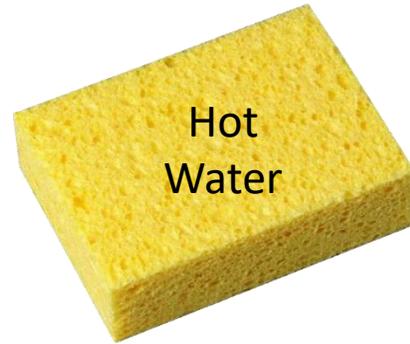


# What picture did you land on? Find it in the bin of items.

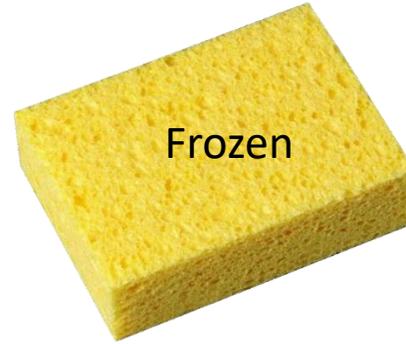
Frozen



Hot  
Water



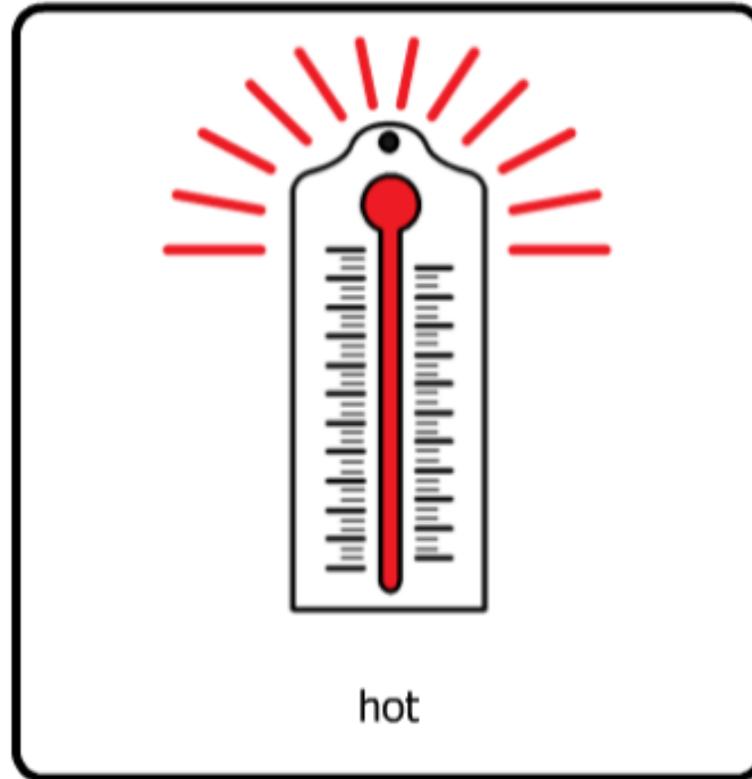
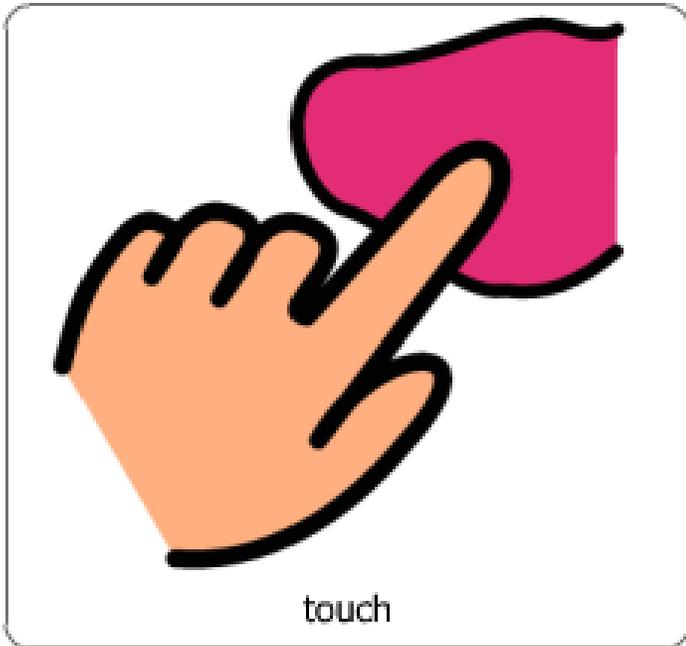
Frozen



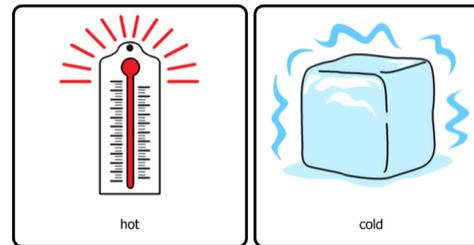
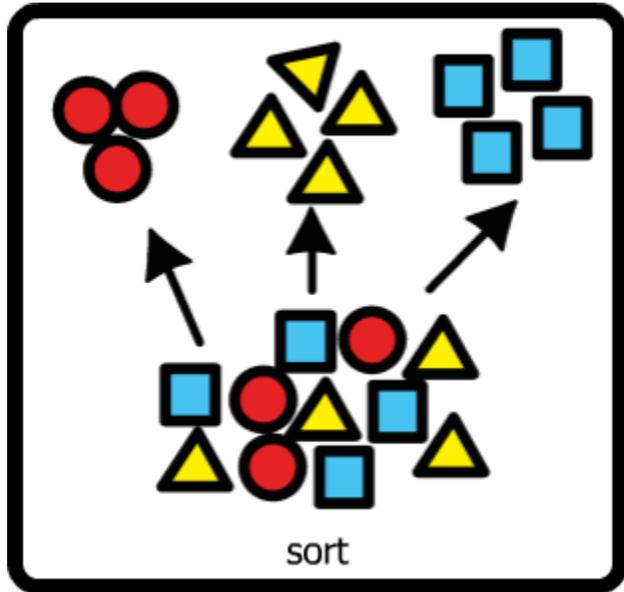
Feel free to find items around the house to have your child compare/sort into the categories: hot/cold



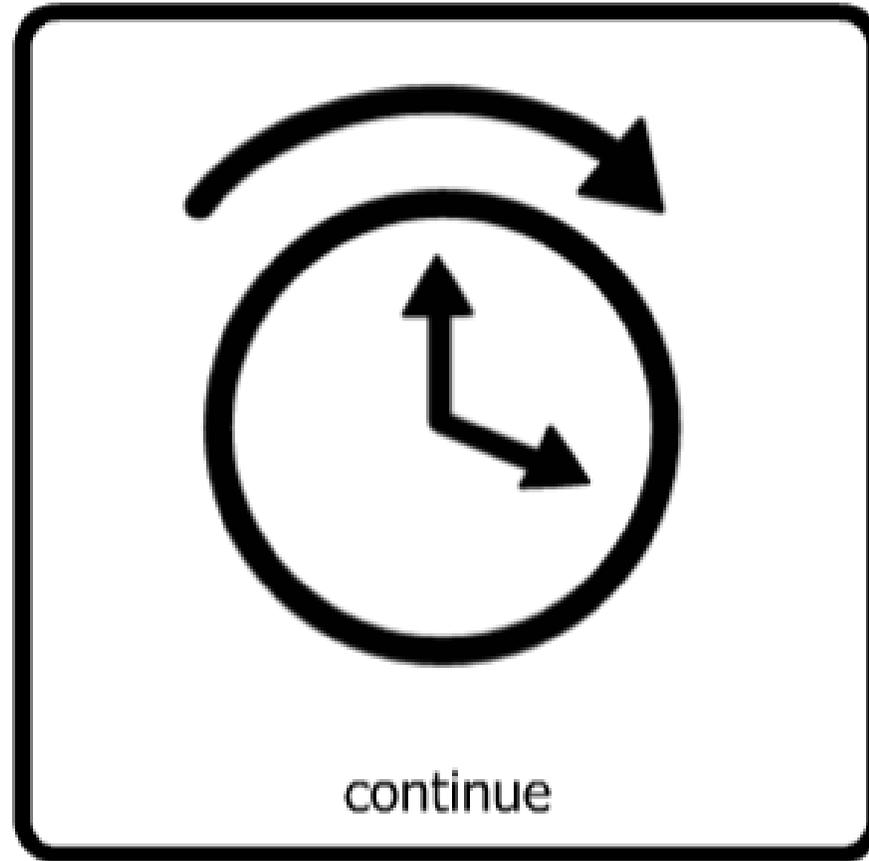
Feel the object and identify if it is **hot** or **cold**



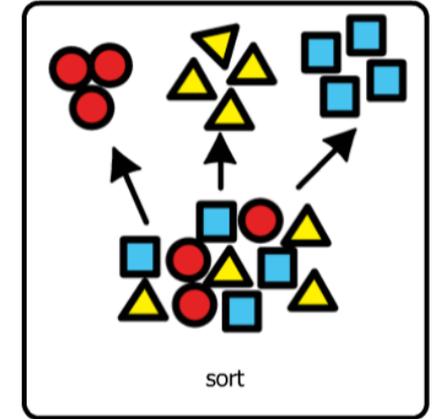
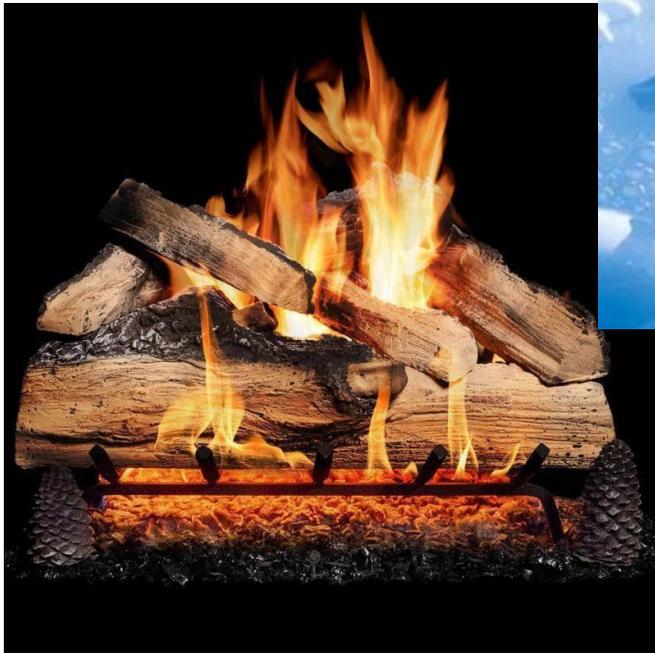
Sort the item into the correct bin- hot or cold



Repeat activity until all items have been sorted.

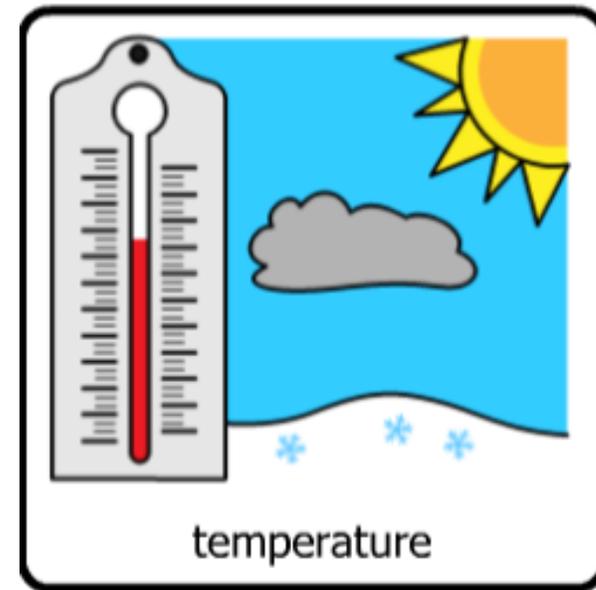
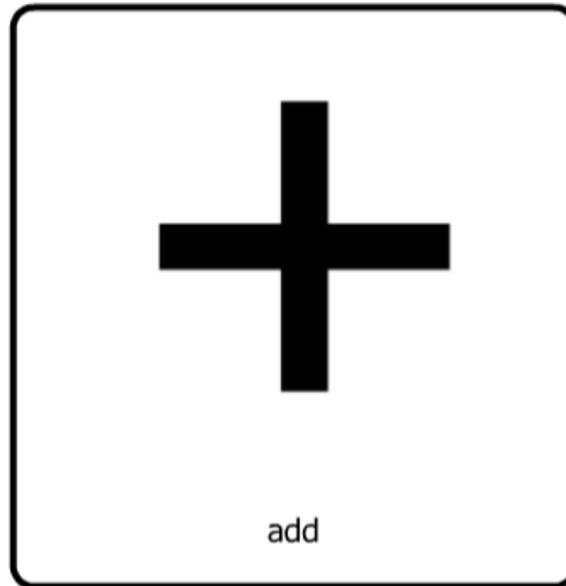
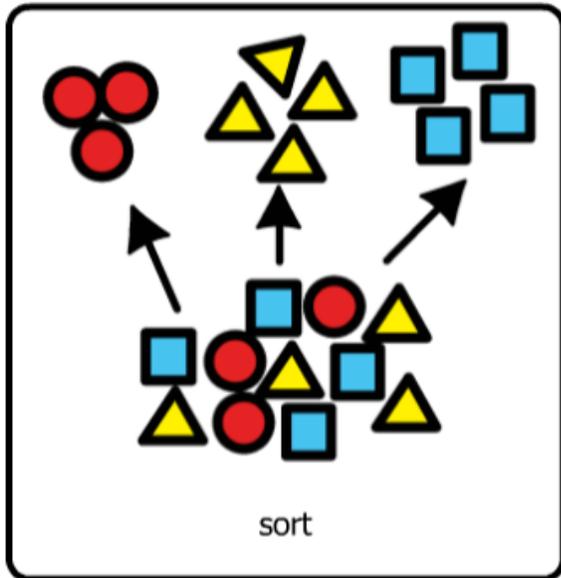


Today we learned about common items that are hot and cold temperatures. We sorted the items by hot and cold!

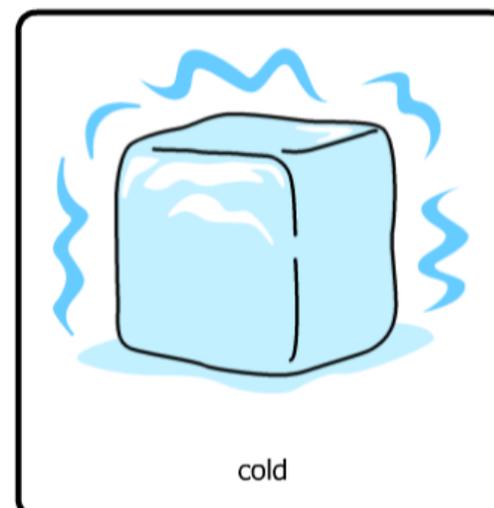
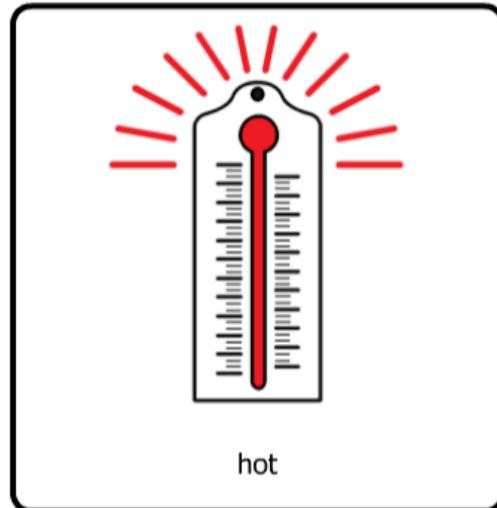


# Quiz Questions about today's lesson:

- What is it called when we separate items into groups?



Quiz Question: Is the item we are putting the cookies into **hot** or **cold**?

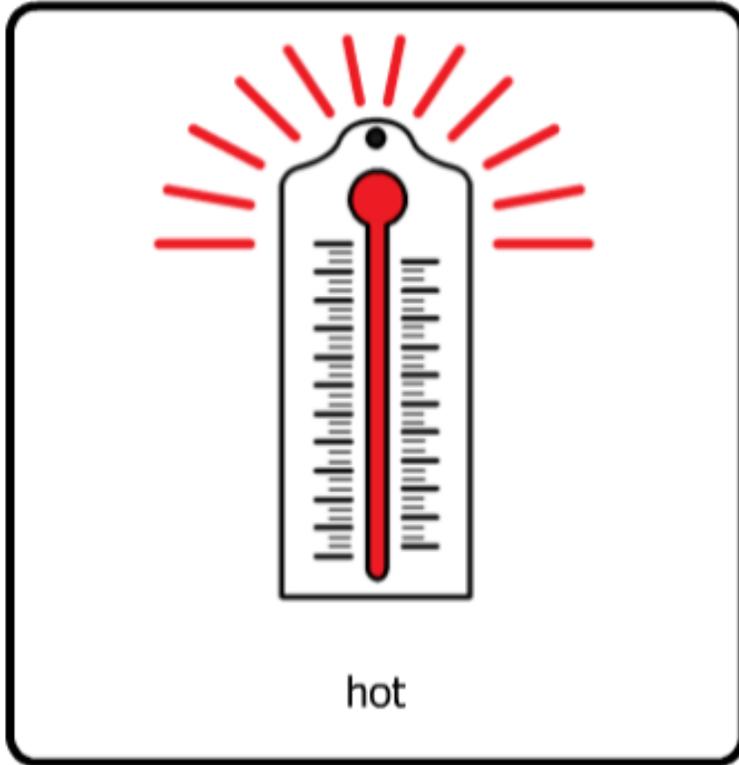


# We are ALL DONE!

- 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.



Its it hot or cold?





hot



cold

Labels for bins