

AUGUSTUS JACKSON:

THE FATHER OF



ICE CREAM

PRE-K & KINDERGARTEN ACTIVITY PACK

GOOSE GOOSE DUCK

**The Augustus Jackson lesson plans and activity pages are designed to supplement the video found below.**

**Click to view:**

<http://goosegooseduck.com/augustus-jackson-lesson-plan-video>



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# GOOSE, GOOSE, DUCK LESSON EXTENSIONS

## TOPIC: AUGUSTUS JACKSON, “THE FATHER OF ICE CREAM”

**CONTENT AREA:**  
STEM

**SKILL BUILDING/OBJECTIVE:**  
Experimenting with 2 different variables.  
How does salt affect the temperature of ice?

### INSTRUCTIONS:

**Explain:** Augustus Jackson did not invent ice cream but he improvised to make the process better. Improvising means that you know the normal way to do something and change it a little bit. Do you notice that the word improvise sounds a little like improve? When something is improved it becomes better.

Sometimes when we improvise we don't make something better but we may make something different. This is why we experiment. Today we are going to experiment to find out how Mr. Jackson's improvising worked.

As you saw in the video, Augustus Jackson, is called “The Father of Ice Cream”. This is because he created a way to control the temperature of ice which changed the texture of the ice cream. Because he was able to do this, he was able to sell ice cream to many people because it didn't melt as quickly.

### **Let's make some ice cream.**

For the experiment, it's best to start with vanilla ice cream. However, if you would like to make a different flavor, make the same type of ice cream for both batches of the experiment.

In this experiment, everything will be the same for the 2 batches of ice cream, except you will use salt with the ice and no salt with the other. The salt is the variable (the part of the experiment that changes).

### **You will need:**

- 1 pint of vanilla ice cream (or whatever flavor you like)
- 2 large bowls
- 2 small bowls (glass, porcelain, or ceramic will work better than soft plastic)
- Large spoon
- Stopwatch or timer
- Thermometer (optional)
- 6 cups of ice
- 1 tablespoon salt
- 2 Small pieces of paper or masking tape
- Piece of paper or voice recorder to note observations and results
- Marker or pen or pencil



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**CONTENT AREA:**  
STEM

**SKILL BUILDING/OBJECTIVE:**  
Experimenting with 2 different variables.  
How does salt affect the temperature of  
ice?

### INSTRUCTIONS:

1. Use the small piece of paper or masking tape to label each bowl. On one piece of paper or masking tape write “With Ice” and on the other write “Without Ice”.
2. Put 3 cups of ice into each bowl.
3. Sprinkle the salt over the ice in the bowl labeled “With Ice”.
4. Set your timer for 2 minutes.
5. After 2 minutes, if you have a thermometer, insert the thermometer into each bowl for 20 seconds. Note the temperature of each bowl. Let the thermometer rest for 30 seconds in between each measurement. If you don’t have a thermometer, hold your hand over each of the bowls. Note which bowl feels colder on your observation paper or voice recorder.
6. Next scoop half of the ice cream into the 2 small bowls.
7. Rest the small bowls of ice cream on top of the ice in each of the large bowls.
8. Set your timer for 3 minutes. Watch the ice cream during the 3 minutes. Note what you see on your observation paper or voice recorder. If you are using a thermometer, take the temperature of each bowl of ice cream.
9. What did you find? Was there a difference between the ice creams in the bowls with the salted ice and without the salted ice?
10. Talk with your child about which type of ice cream would sell more. Is there a good reason to use the ice?

**Final thought:** Improvising can help make something better. Augustus Jackson was known as “The Father of Ice Cream” because he was able to make ice cream colder longer. It also helped him make more flavors because colder ice cream can handle add-ins and flavors better than ice cream that melts quickly.

**Note for parents:** The differences of having salt or no salt over the ice is easier to see when making ice cream from scratch. This is because homemade ice cream starts as a liquid and then freezes. A good way to do this experiment with older children is to make homemade ice cream and compare the differences between using salt and not.



# GOOSE, GOOSE, DUCK LESSON EXTENSIONS

## TOPIC: AUGUSTUS JACKSON, “THE FATHER OF ICE CREAM”

**CONTENT AREA:**  
Math

**SKILL BUILDING/OBJECTIVE:**  
To represent whole numbers with objects.  
Practice fine motor skills.

### INSTRUCTIONS:

**Instructions:**

Explain: Augustus Jackson did not invent ice cream but he improvised to make the process better. Tariq was happy about this because ice cream was a fun treat he could share with his family. Dinner times were some of the best times that Tariq got to share with his family and Augustus Jackson helped make that happen.

As you saw in the video, Augustus Jackson, is called “The Father of Ice Cream”. This fine treat is enjoyed by people all over the world and will continue to be a staple at family dinners due to their many flavors. They are enjoyed with either one or more scoops!

**Let’s make some ice cream cones!**

For this art/math project children will get to use pasting and counting skills to build ice cream cones.

**Materials:**

Numbered cone printouts  
Glue/paste  
Colored construction paper  
Cardstock or white construction paper  
Scissors  
Marker/pencil (optional)

1. Using the numbered cones, parents assist your children in cutting out the triangles.
  - a. Use this moment to recall shapes
  - b. Can also be used to count from numbers 1-10.
2. Once the shapes are cut out, have the children glue them to a sheet of white card stock or construction paper.
  - a. Use this moment to talk to your children about texture.
  - b. Use old and new adjectives.
3. Parents: Either have precut circles or allow children to cut out circles that were pre-drawn.
  - a. Fine motor skill practice
  - b. Hand and eye coordination practice
4. Work together with your child to add the number of circles on top of the cones based on the number on the cone.

# GOOSE, GOOSE, DUCK LESSON EXTENSIONS

## TOPIC: AUGUSTUS JACKSON, "THE FATHER OF ICE CREAM"

### CONTENT AREA:

Math

### SKILL BUILDING/OBJECTIVE:

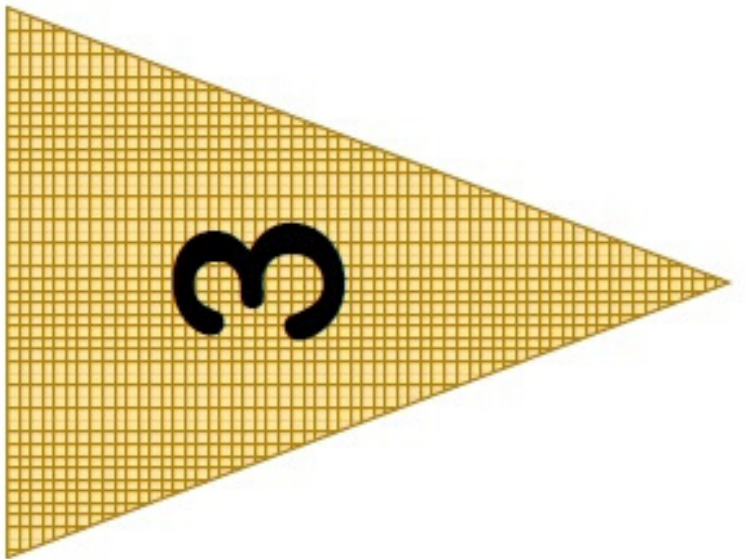
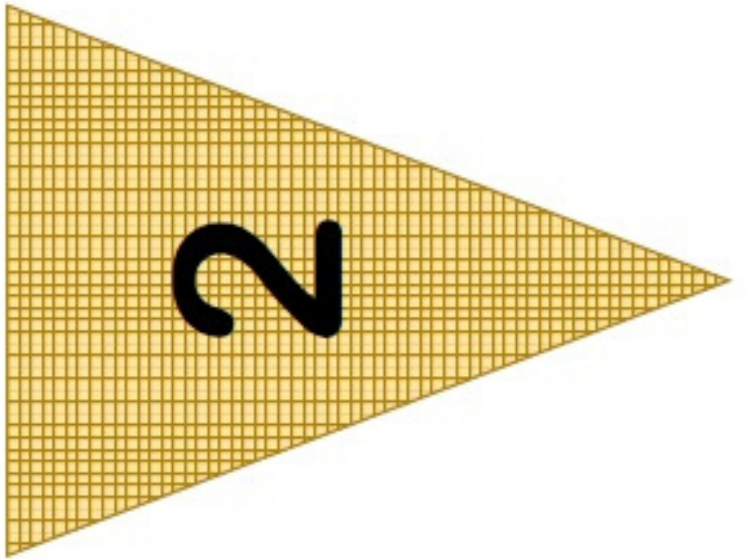
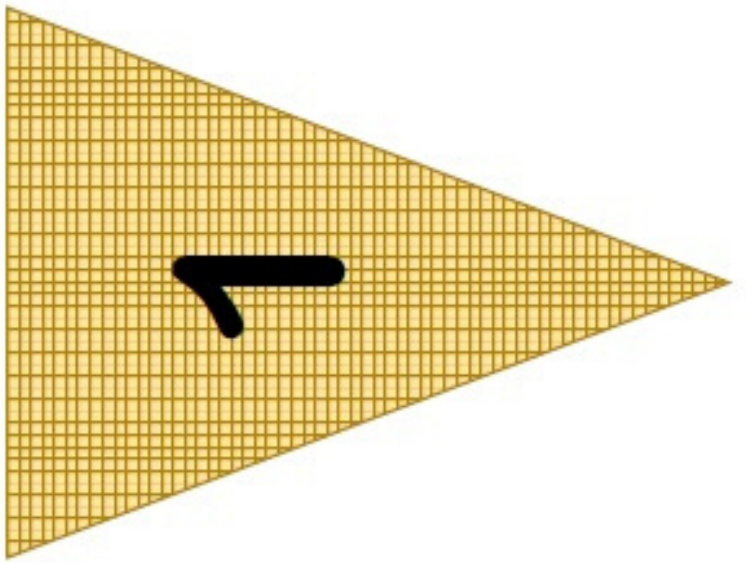
To represent whole numbers with objects.  
Practice fine motor skills.

### INSTRUCTIONS:

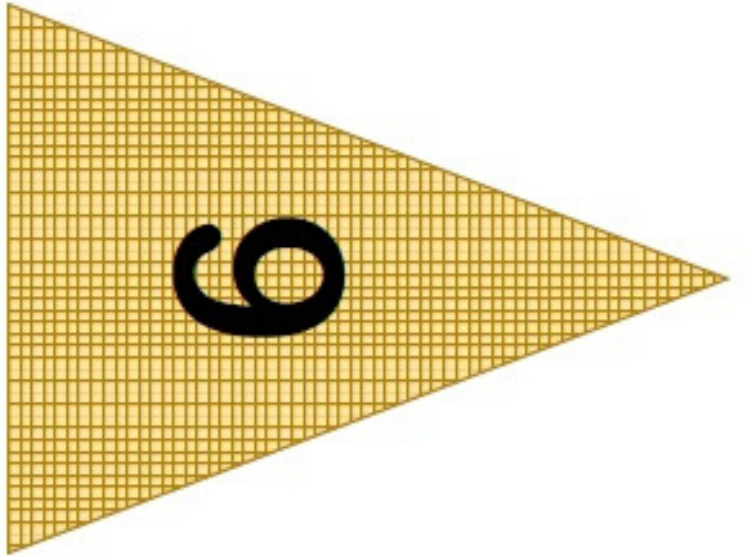
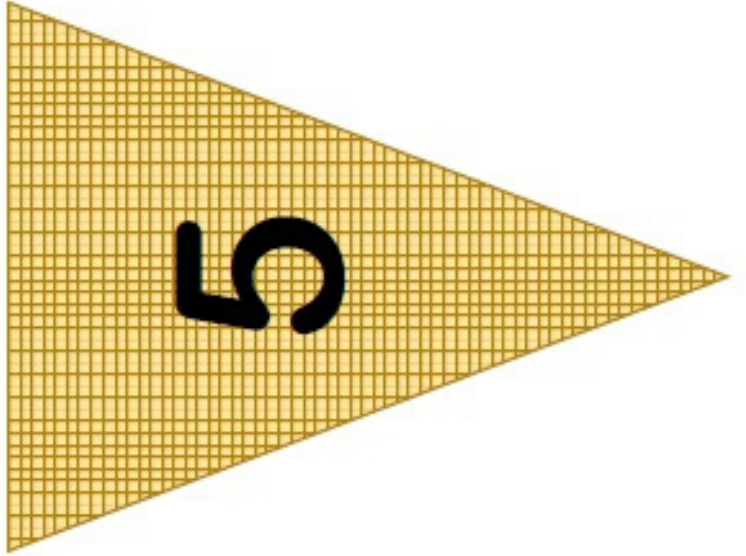
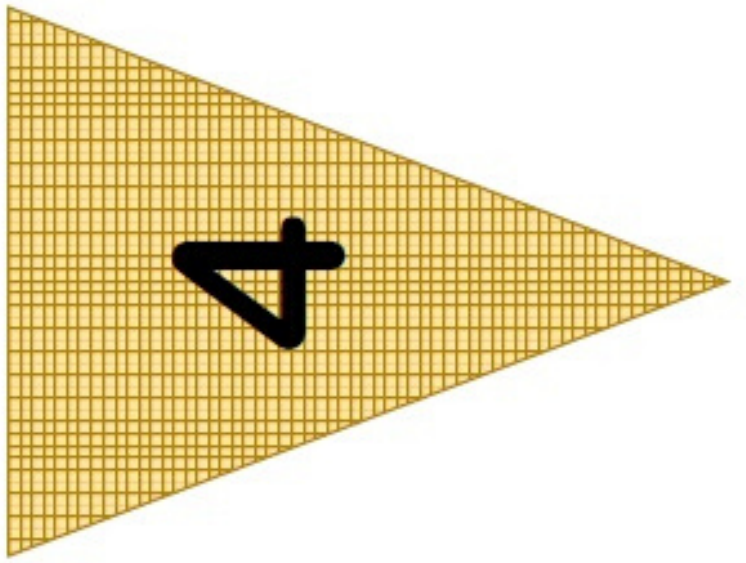
5. Talk with your child about less or more, tall and short, and maybe some healthy questions about better alternatives than 10 scoops of ice cream.
  - a. This time can also be used to name favorite ice creams of everyone in your house. (Include the entire family!!)

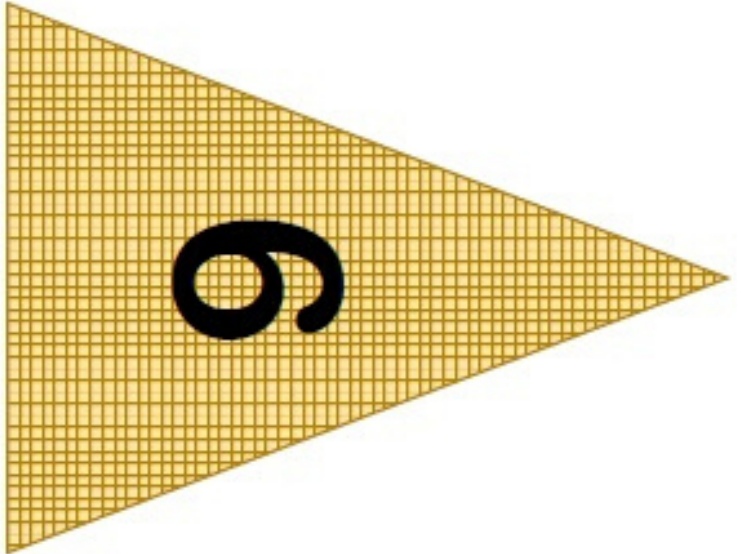
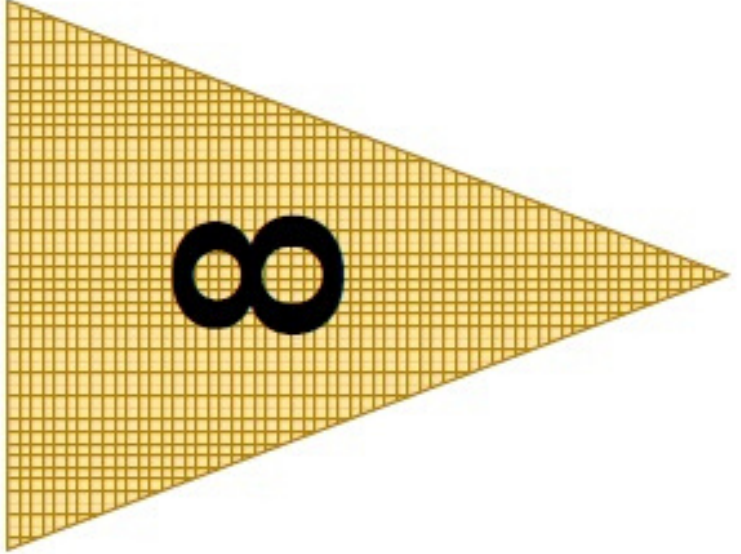
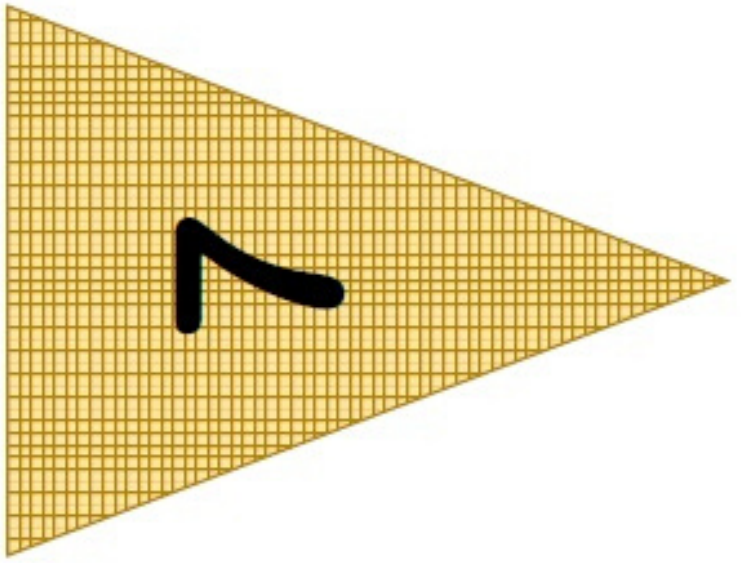
**Final thought:** Loving what you do for work is always a great factor!  
I'm sure Augustus Jackson loved ice cream!

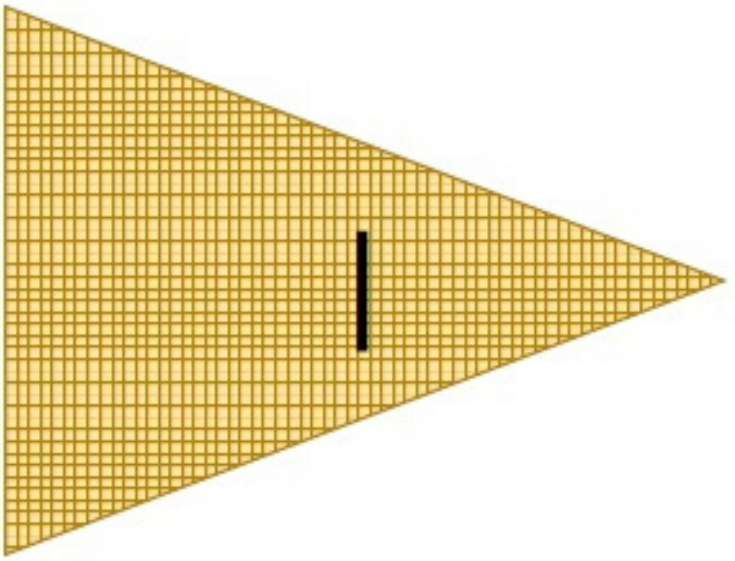
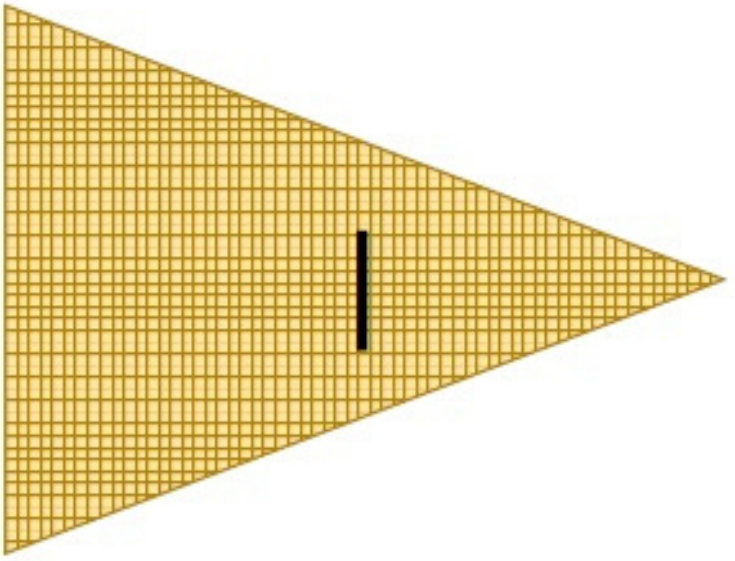
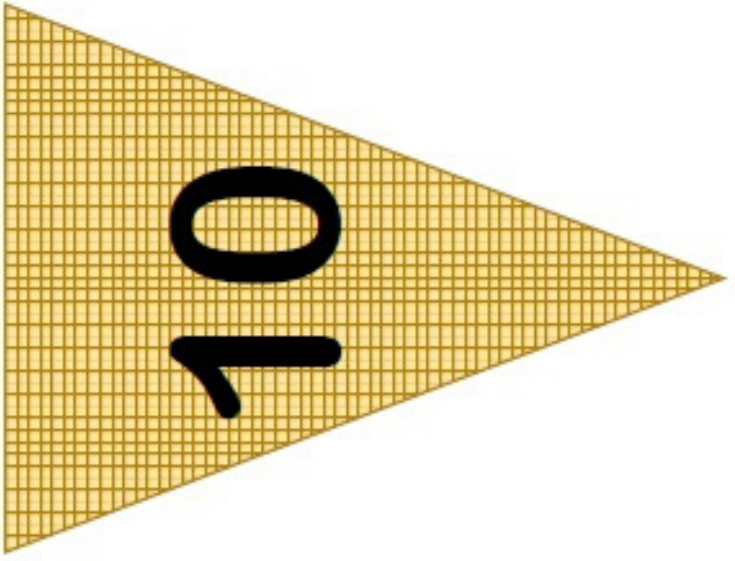
Note for parents: Let children draw their own conclusions and questions. Ask your child open ended questions so the conversation is exciting and purposeful. Restate that your child is making a representation of something that families everywhere enjoy.













# GOOSE, GOOSE, DUCK LESSON EXTENSIONS

## TOPIC: AUGUSTUS JACKSON, “THE FATHER OF ICE CREAM”

**CONTENT AREA:**  
STEM, Cooking

**SKILL BUILDING/OBJECTIVE:**  
Experimentation with tastes.

### INSTRUCTIONS:

#### **Instructions:**

One of the reasons Augustus Jackson is called “The Father of Ice Cream” is because he successfully figured out how to make ice cream really cold and what flavors his customers would like. Although there are not official records of Mr. Jackson’s recipes, we know that he created different types and that vanilla and lemon were popular flavors at that time.

Everyone likes different flavors. Some like salty, some like sweet, some prefer more savory flavors. Ask your child for examples of foods that are salty, sweet and savory.

Sometimes, flavors that are different taste even better when combined. For example, salted caramel is salty and sweet. Let’s see if we can combine some tasty ice cream flavors.

You will need:

1 pint of vanilla or chocolate ice cream

2 salty add ins, such as pretzels, kosher salt, potato chips,

2 sweet add ins, such as chocolate chips, caramel, peanut butter, fruit, candies

2 savory add ins such as nuts, balsamic vinegar, black beans, seasonings such as basil or oregano, paprika, pepper

Small bowls

Spoons

Plastic containers for storage

Place a spoonful of ice cream into each of the bowls. Ask your child to close their eyes while you add in a flavored ingredient. First experiment with one flavor per spoonful.

Ask your child if the add in is sweet, salty or savory. Can they tell you what the add in is?

Next add another flavor into each. Ask your child again if she/he can identify the flavor and if it’s sweet or salty or savory.

Note: Young children (2-4 years old) can be sensitive to sweet flavors and have strong reactions to salty flavors. Use what you know about your child’s preferences as a guide. The objective is to have fun while identifying different types of flavor profiles.

Discuss what flavors you and your child liked best. Were there any surprises?

# GOOSE, GOOSE, DUCK LESSON EXTENSIONS

## TOPIC: AUGUSTUS JACKSON, “THE FATHER OF ICE CREAM”

**CONTENT AREA:**  
Sensory/Cognitive

**SKILL BUILDING/OBJECTIVE:**  
Identify and match colors. Understand sizes.

### INSTRUCTIONS:

**Instructions:**

**Explain:** Augustus Jackson did not invent ice cream but he improvised to make the process better. Tariq was happy about this because ice cream was a fun treat he could share with his family. Dinner times were some of the best times that Tariq got to share with his family and Augustus Jackson helped make that happen.

As you saw in the video, Augustus Jackson, is called “The Father of Ice Cream”. This fine treat is enjoyed by people all over the world and will continue to be a staple at family dinners due to their many flavors. They are enjoyed with either one or more scoops!

Let’s make some ice cream cones!

For this sensory/cognitive project children will get to use sensory exploration and cognitive development skills to interact with new materials.

**Materials:**

Multi colored modeling clay  
Laminated attachment (Clear contact paper works well)  
Hard surface (easily cleaned)  
Some playdoh tools

1. Using the color-coded cones, (parents laminate them if they aren’t) lay them out for children to have access.
  - a. Use this moment to recall colors.
  - b. Can also be used to sing a song about colors.
2. Once the cones are laid out help your child take modeling clay out of container.
  - a. Use this moment to talk to your child about texture.
  - b. Use old and new adjectives.
3. Parents: Talk with your child about modeling clay rules and not mixing the colors for this activity.
  - a. Fine motor skill practice: rolling and smashing
4. Work together with your child to make balls with the modeling clay in a variety of sizes.
5. Talk with your child about big and small, a little and a lot.
  - a. This time can also be used to recall favorite ice cream flavors of everyone in your house. (Include the entire family!!)

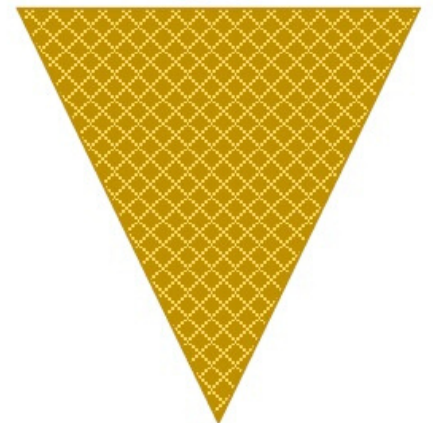
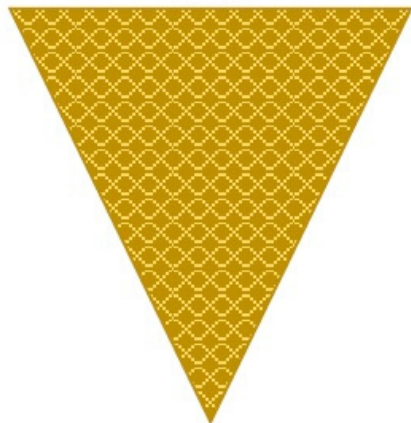
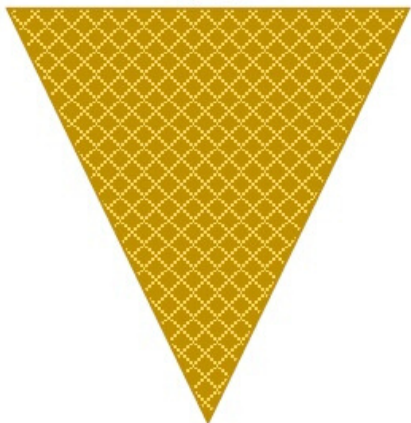
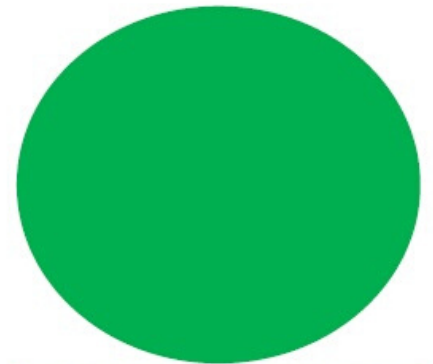
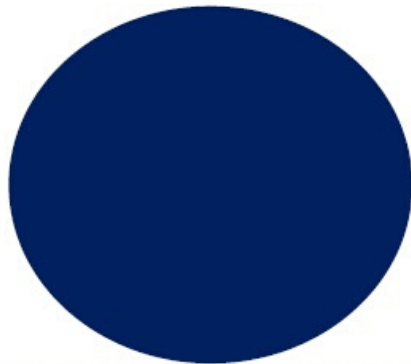
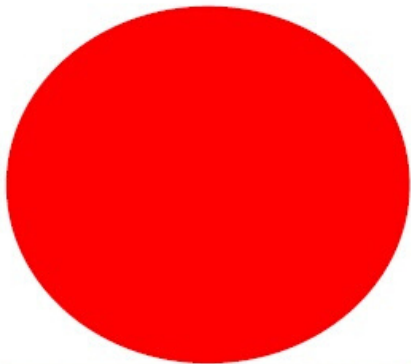
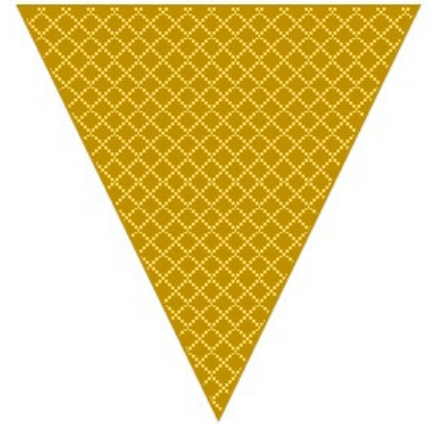
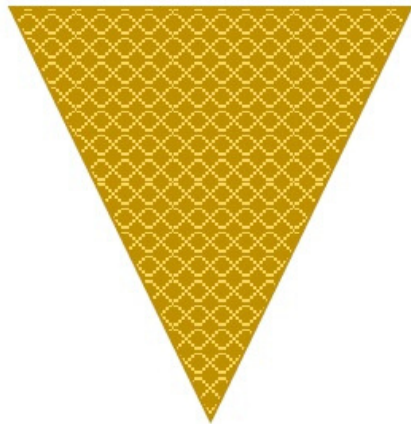
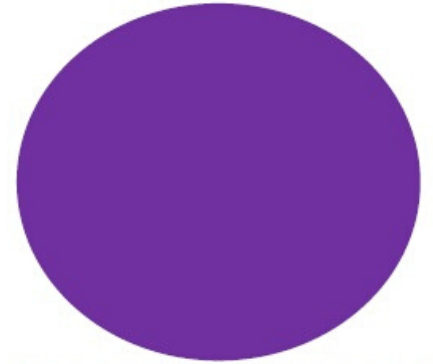
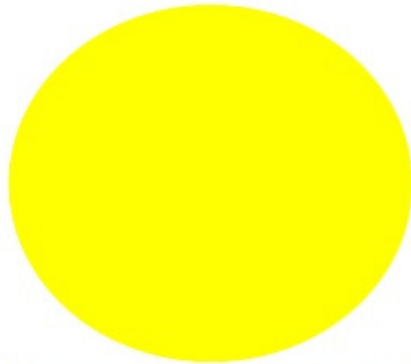




# Cake and Ice Cream

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Can you match  
the playdoh with  
the ice cream  
cone?





# MY FIVE SENSES



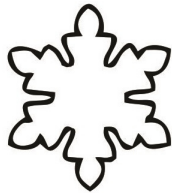
Soft Stuffed Bear

**TOUCH**



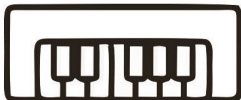
Baking Pie

**SIGHT**



Cold Snow

**TASTE**



Musical Keyboard

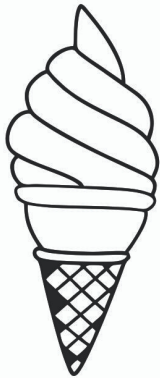
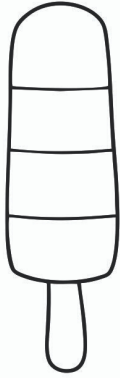
**SMELL**



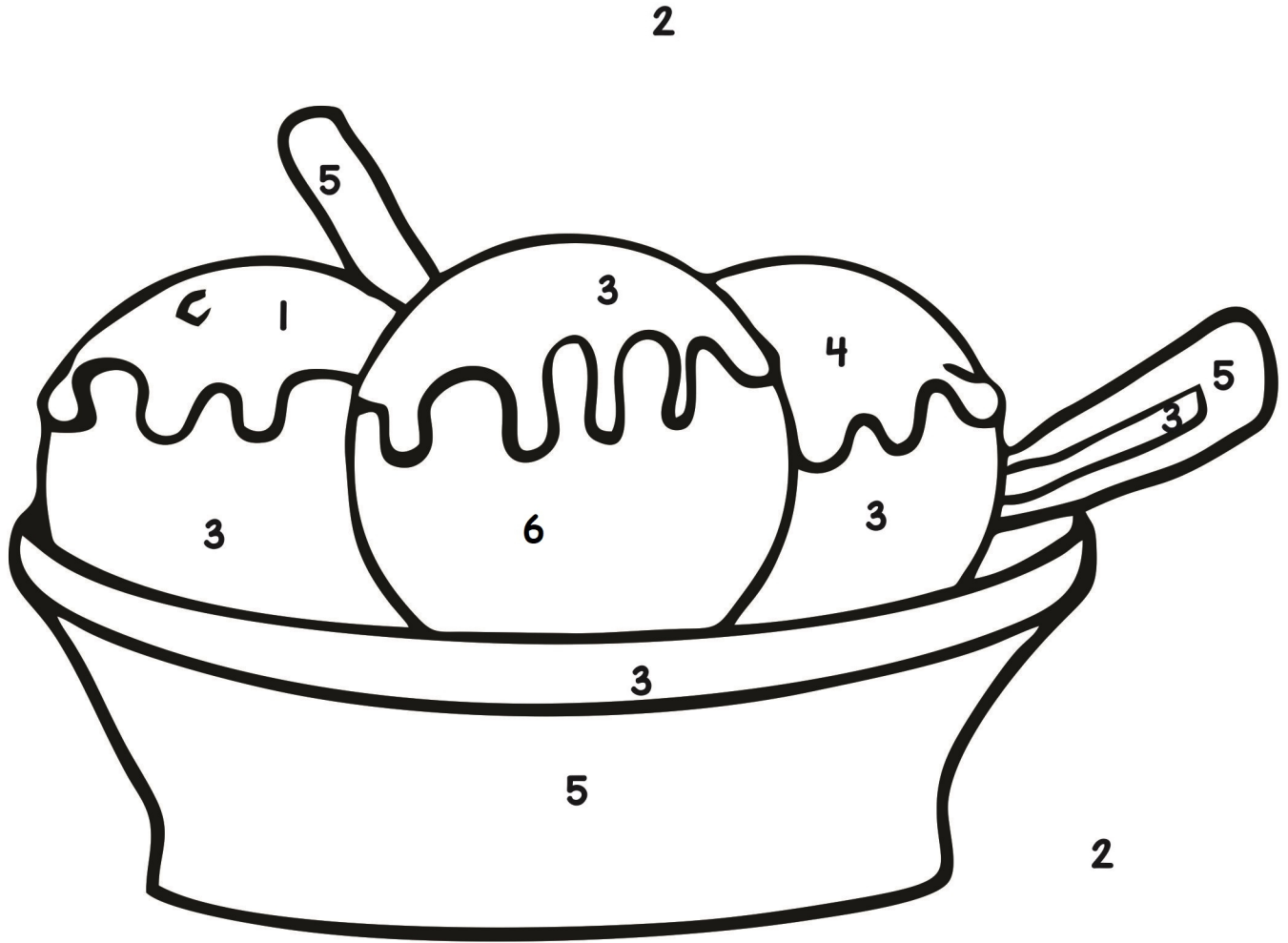
Sweet Ice Cream

**HEAR**

**DRAW A LINE TO CONNECT WITH ITS SHADOW**



# COLOR BY NUMBER

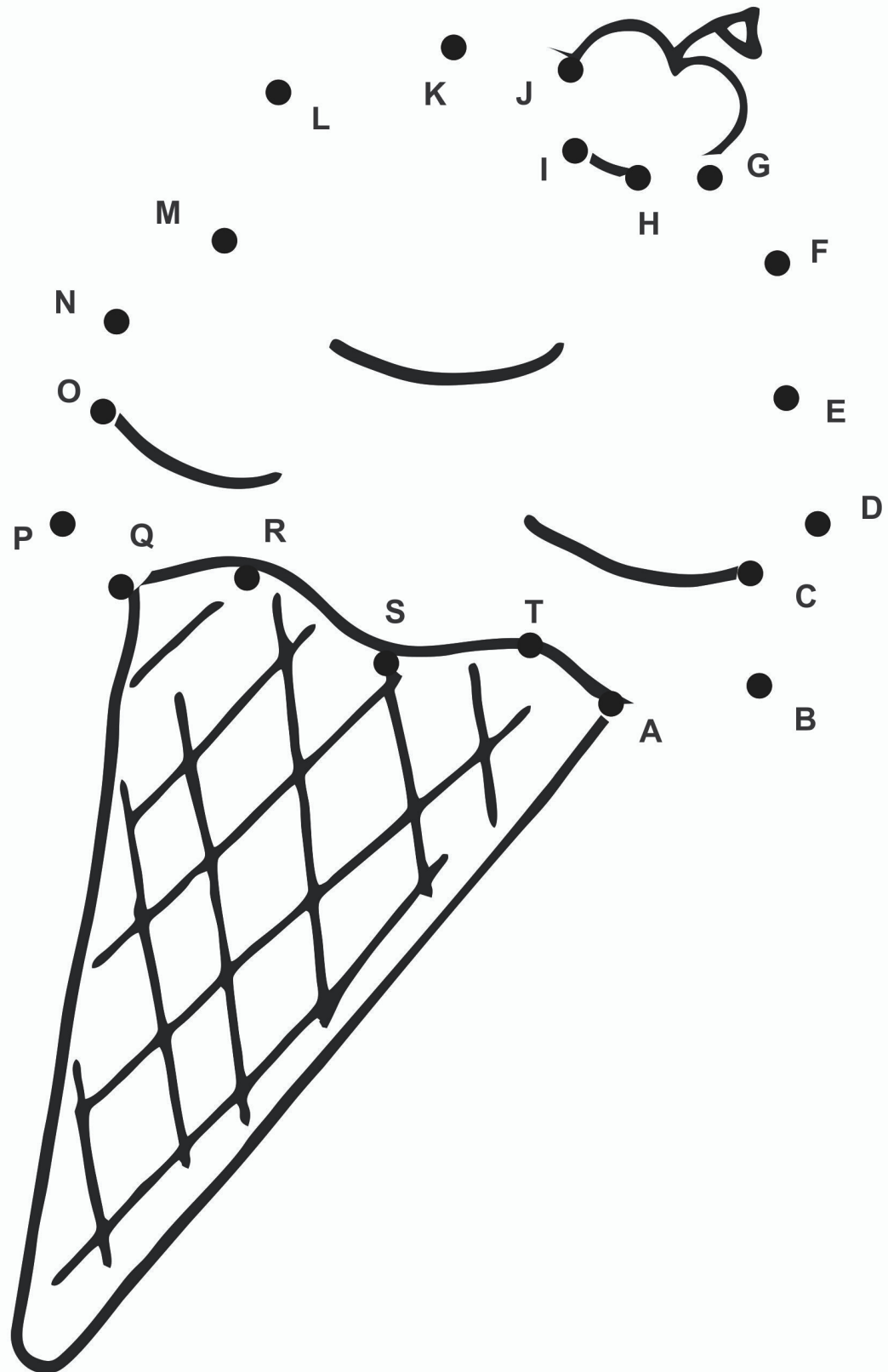


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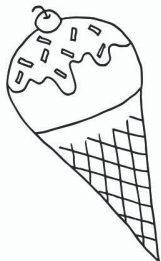
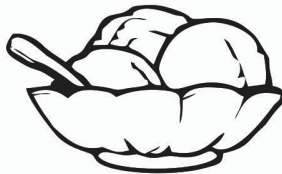
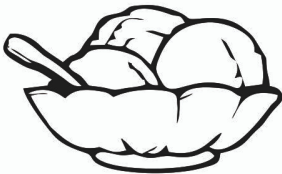
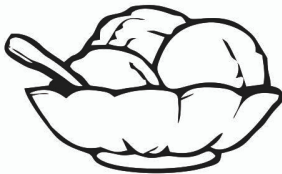
2



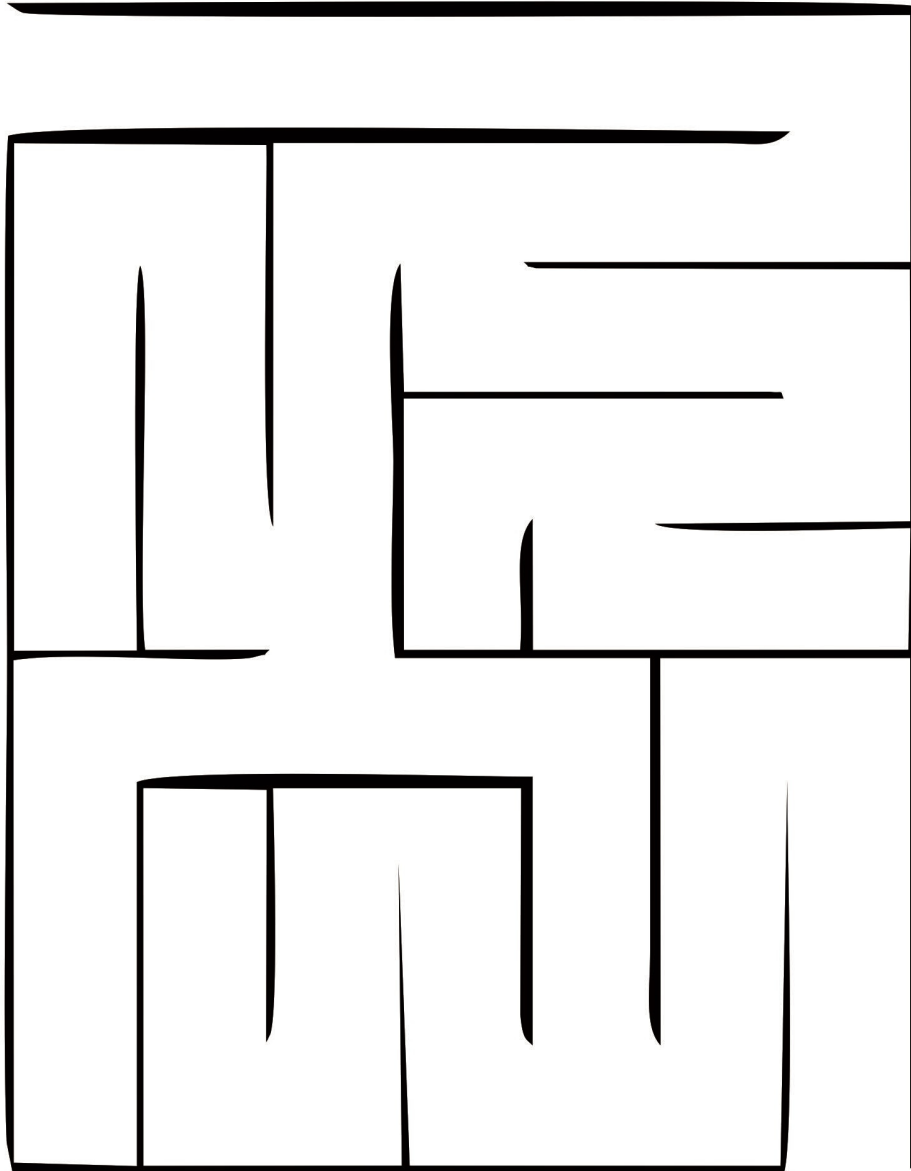
# CONNECT DOT TO DOT WITH LETTERS



Circle the picture that is different.

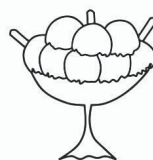
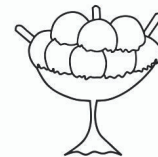
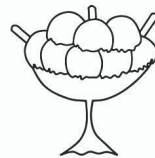
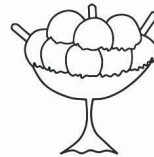


# HELP AMAYA FIND THE ICE CREAM CONE

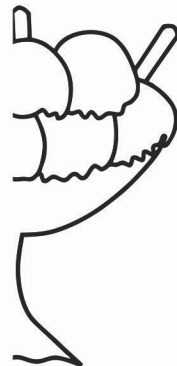
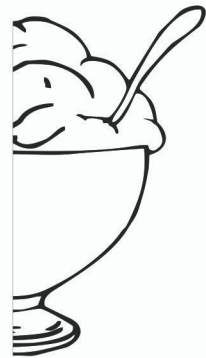




# COMPLETE THE PATTERN



DRAW A LINE TO CONNECT WITH ITS OTHER HALF



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